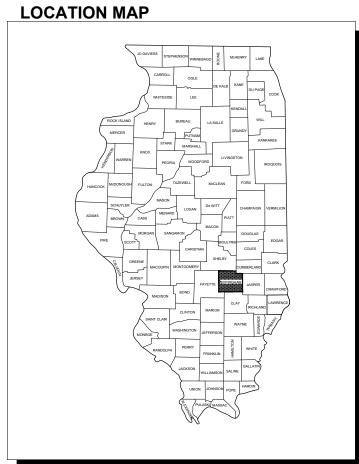
CONSTRUCTION PLANS

OBSTRUCTION REMOVAL: RUNWAYS 11-29 AND 1-19

EFFINGHAM COUNTY AIRPORT COMMISSION EFFINGHAM COUNTY MEMORIAL AIRPORT (1H2) EFFINGHAM, EFFINGHAM COUNTY, ILLINOIS

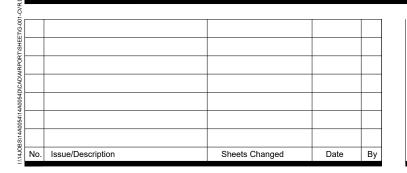
ILLINOIS PROJECT NO. 1H2-4371 A.I.P. PROJECT NO. 3-17-SBGP-105/111





NOTICE TO CONTRACTORS AND BIDDERS

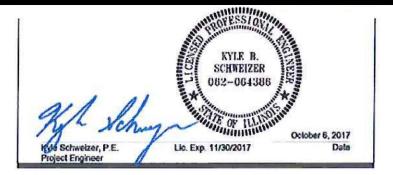
THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS



PREPARED BY:

HANSON PROFESSIONAL SERVICES INC. 1525 South Sixth Street Springfield, Illinois 62703-2886 Telephone: 217.788.2450 Fax: 217.788.2503

DATE OF PLANS: OCTOBER 6, 2017



EFFINGHAM COUNTY AIRPORT COMMISSION Effingham County Memorial Airport 14449 East 1100th Ava

October 6, 2017

GENERAL NOTES

- 1. 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 IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS. 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.
- 2. 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, IF APPROVED BY THE ENGINEER.
- 3. ACCESS TO THE SITE SHALL BE RESTRICTED EXCLUSIVELY TO THE DESIGNATED CONSTRUCTION ENTRANCE, STAGING AREA, AND HAUL ROUTE. NO EQUIPMENT OR PERSONNEL SHALL BE PERMITTED OUTSIDE THE GENERAL PROJECT AREA.
- 4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND KEEP CLEAN OF DEBRIS ALL EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE CONTRACT.
- 5. CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
- 6. THE LOCATION OF THE ENGINEER'S FIELD OFFICE WILL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.
- 7. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
- 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 CONTRACTOR SHALL PROVIDE ONE SET OF PRELIMINARY REDLINED RECORD DRAWINGS TO THE RESIDENT ENGINEER AT THE COMPLETION OF THE PROJECT FOR INCORPORATION INTO THE OFFICIAL RECORD DRAWINGS HE WILL PREPARE.
- 10. APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN THROUGHOUT THESE PLANS. THE CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND PROTECT THESE UTILITIES DURING CONSTRUCTION. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER AUTHORITIES FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.
- 11. NPDES PERMIT THIS PROJECT WILL DISTURB MORE THAN 1 ACRE, THEREFORE A NPDES PERMIT IS REQUIRED.
- 12. MATERIAL CERTIFICATIONS MATERIALS CANNOT BE INSTALLED UNTIL ALL THE MATERIAL CERTIFICATIONS FOR THAT ITEM HAVE BEEN RECEIVED, REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER. MATERIALS INSTALLED WITHOUT APPROVAL ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- 13. <u>CERTIFIED PAYROLLS</u> THE RESIDENT ENGINEER <u>CANNOT</u> FORWARD A CONSTRUCTION REPORT FOR PAYMENT TO THE IDOT—DIVISION OF AERONAUTICS FOR PROCESSING UNTIL <u>ALL</u> CERTIFIED PAYROLLS FOR THAT PERIOD HAVE BEEN RECEIVED.

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 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.

J.U.L.I.E. INFORMATION

COUNTY	EFFINGHAM
CITY	EFFINGHAM
TOWNSHIP	WATSON
SECTION NO	_8 & 9
ADDRESS	14449 E 1100TH A
	FFFINGHAM, II 6240

INDEX TO SHEETS			
SHEET NO.	SHEET TITLE		
1	COVER SHEET		
2	SUMMARY OF QUANTITIES, INDEX TO SHEETS, AND GENERAL NOTES		
3	SAFETY PLAN		
4	SAFETY NOTES AND DETAILS		
5	SITE PLAN - CLEARING AREA 1		
6	SITE PLAN - CLEARING AREAS 2 AND 3		
7	SITE PLAN - CLEARING AREA 4		
8	SITE PLAN - CLEARING AREA 5		
9	STORMWATER POLLUTION PREVENTION PLAN NOTES AND DETAILS		

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150520	MOBILIZATION	L.S.	1	
AR151412	TREE CLEARING	ACRE	8.7	
AR151420	CLEARING TREES 0-2.5' BUTT. DIA.	EACH	4	
AR151450	CLEARING AND GRUBBING	ACRE	10.5	
AR156510	SILT FENCE	L.F.	2,000	
AR156511	DITCH CHECK	EACH	20	
AR156530	TEMPORARY SEEDING	ACRE	10.5	
AR156544	RIPRAP-GRADATION NO. 4	S.Y.	100	
AR901510	SEEDING	ACRE	10.5	

HANSON Engineering | Planning | Alfed Services

Offices Nationwide

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084

Effingham County Memorial Airport 14449 East 1100th Avenue Effingham, Illinois 62401 217-536-5312

OBSTRUCTION REMOVAL: RUNWAYS 11-29 AND 1-19

IDA No.: 1H2-4371 SBG No.:3-17-SBGP-105/111

Contract No. EF008

NO. DATE DESCRIPTION
DES DWN REV

ISSUE: 10/06/2017 (FOR BID)
PROJECT NO: 14A0054

CAD FILE: G-002-S00.DWG

DESIGN BY: KBS

SHEET TITLE

DRAWN BY: KBS
REVIEWED BY: RAW

SUMMARY OF QUANTITIES, INDEX TO SHEETS, AND GENERAL NOTES

CONSTRUCTION SAFETY PLAN

SITE ACCESS TO

AIRPORT, TERMINAL BUILDING

HANGAR BUILDINGS

WORK AREA 1

MAIN APRON

RUNWAY 11-29 AIR OPERATIONS AREA (AOA)

EFFINGHÄM COUNTY

MEMORIAL AIRPORT

HORIZONTAL AND VERTICAL CONTROL DATA				
NO.	DESCRIPTION	NORTHING	EASTING	ELEV.
Λ	"EFFPORT" NGS MONUMENT	875,675.12	927,403.58	575.99
<u> </u>	"EFFPORT AZ MK" NGS MONUMENT	876,337.83	925,884.06	582.49

SURVEY NOTES

000000

- ALL COORDINATE VALUES SHOWN IN TABLE ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011). ALL ELEVATIONS ARE REFERENCED
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND ANY EXTENSION OF THE CONTROL NETWORK NEEDED TO PROPERLY COMPLETE THE WORK.

CONTRACTOR TO PROVIDE ESCORT IN

REQUIRED WHEN MOVING WORKERS

CLOSURE CROSS DURING RWY 11-29 CLOSURE

573.0

570.0

571.0

15'

35'

35'

RADIO CONTACT WITH AIRPORT UNICOM

AND EQUIPMENT THROUGH ACTIVE AOA

N039° 04' 26.202" | W088° 32' 37.597

N039° 04' 23.401" | W088° 32' 32.317

N039" 03' 50.166" | W088" 32' 10.128'

EQUIPMENT | N039° 04' 00.651" | W088° 31' 05.232"

CONTRACTOR STAGING AREA/SITE

ACCESS TO WORK AREAS 2 AND 3

<u>∠</u>200°

AIRPORT PROPERTY LINE (TYP)

1000TH AVE

1100TH AVE

20:1 THRESHOLD SITING

TAXIWAY "R

2

SURFACE (TYPE 6)

- GENERAL THE EFFINGHAM COUNTY MEMORIAL AIRPORT IS A GENERAL AVIATION AIRPORT COMPRISED OF TWO PAVED RUNWAYS, PRIMARY RUNWAY 11-29 (5,100' X 100' CONCRETE) AND RUNWAY 1-19 (4,000' X 60' ASPHALT), ASSOCIATED TAXIWAYS, AND A LARGE MAIN RAMP AREA. THE PROPOSED CONSTRUCTION WILL REQUIRE THE DAYTIME-ONLY CLOSURE OF RUNWAY 11-29 FOR A PORTION OF PROJECT. RUNWAY 1-19 WILL REMAIN OPEN THROUGHOUT THE PROJECT.
- PROJECT DESCRIPTION THIS PROJECT SHALL CONSIST OF REMOVING ON-AIRPORT VEGETATIVE OBSTRUCTIONS WITHIN THE PROTECTIVE AIRSPACE AROUND THE APPROACHES AND SIDES OF THE RUNWAYS. PROJECT INCLUDES TREE CLEARING AND REMOVAL, GRUBBING, EROSION CONTROL, SEEDING, AND RESTORATION.
- AIRCRAFT OPERATIONS AREA AT NO TIME MAY THE CONTRACTOR WORK INSIDE THE AIRCRAFT OPERATIONS AREA (AOA) WHILE IT IS ACTIVE. ANY WORK DONE INSIDE THIS AREA WILL REQUIRE TEMPORARY CLOSURE OF THE APPLICABLE RUNWAY/TAXIWAY. IN AREAS WHERE IT IS NECESSARY TO MOVE EQUIPMENT OR PERSONNEL THROUGH THE ACTIVE AOA FOR SITE ACCESS. THE CONTRACTOR SHALL PROVIDE AN ESCORT IN TWO-WAY RADIO CONTACT WITH THE AIRPORT UNICOM (122.8 MHz). THE AOA FOR RUNWAY 11-29 IS GOVERNED BY THE RUNWAY SAFETY AREA (RSA) TO A WIDTH OF 250' FROM THE RUNWAY CENTERLINE, AND THE THRESHOLD SITING SURFACE (TSS) STARTING 200' PAST EACH RUNWAY END AND RISING AT A SLOPE OF 20:1. THE AOA FOR RUNWAY 1-19 IS GOVERNED BY THE RUNWAY OBSTACLE FREE ZONE (OFZ) TO A WIDTH OF 125' FROM THE RUNWAY CENTERLINE, AND THE THRESHOLD SITING SURFACE (TSS) STARTING AT EACH RUNWAY END AND RISING AT A SLOPE OF 20:1. THE CONTRACTOR SHALL STAKE OR MARK THESE LIMITS IN THE PROJECT AREAS PRIOR TO THE START OF WORK WITH A FLAGGED WOODEN LATHE AT 100' INTERVALS OR OTHER FORM OF EASILY VISIBLE MARKING.

20:1 THRESHOLD SITINGS

WORK AREA 1

SURFACE (TYPE 2)

BARRICADE PLACEMENT

DURING RWY 11-29

CLOSURE.

PORTION OF WORK AREA 4

RUNWAY 11-29 REQUIRED

WITHIN AOA - CLOSURE OF

RUNWAY 11-29

4. WORK AREAS

- WORK AREA 1 CONSISTS OF TREE CLEARING AND GRUBBING OF AN AREA NORTHEAST OF RUNWAY END 19. REMOVED MATERIAL SHALL BE MULCHED AND HAULED TO OTHER AREAS AND SPREAD OR HAULED OFFSITE. SITE ACCESS WILL COME FROM THE EAST GATE AT THE MAIN AIRPORT ENTRANCE AND COME NO CLOSER THAN 300' TO THE RUNWAY 19 END WHEN CROSSING THE APPROACH WHILE IT IS OPEN.
- <u>WORK AREAS 2 AND 3</u> CONSIST OF A COMBINATION OF TREE CLEARING AND CLEARING AND GRUBBING ALONG THE EAST AND WEST SIDES OF RUNWAY END 1. CLEARED MATERIAL SHALL BE MULCHED AND SPREAD ONSITE. SITE ACCESS WILL COME FROM THE STAGING AREA ENTRANCE ON E 1100TH AVE. NEAR IL RTE 45, AND RUN ALONG THE SOUTH AOA LINE OF RUNWAY 11-29 AND THE WEST AOA LINE OF RUNWAY 1-19. THE CONTRACTOR SHALL COME NO CLOSER THAN 240' TO THE RUNWAY 1 END WHILE IT IS OPEN WHEN CROSSING TO WORK AREA 3. THE CONTRACTOR SHALL PROVIDE AN ESCORT WHILE MOVING MEN AND EQUIPMENT THROUGH THE RUNWAY 11 APPROACH OR CLOSE THE
- WORK AREA 4 CONSISTS OF CLEARING AND GRUBBING AN AREA ON THE SOUTH SIDE OF THE EAST HALF OF RUNWAY 11-29. REMOVED MATERIAL SHALL BE MULCHED AND HAULED TO OTHER AREAS AND SPREAD OR HAULED OFFSITE. RUNWAY 11-29 SHALL BE CLOSED WHILE CLEARING THE PORTION OF THE WORK AREA THAT ENCROACHES INTO THE RUNWAY SAFETY AREA. THE CONTRACTOR SHALL HAVE TWO DAYS OF CLOSURE TO COMPLETE THE CLEARING AND GRUBBING IN THAT AREA, AND ONE DAY OF CLOSURE TO COMPLETE THE SEEDING. SITE ACCESS WILL COME FROM THE EAST AIRFIELD GATE ALONG COUNTY ROAD 1500 EAST, AND ALONG THE EAST AND SOUTH SIDES OF THE RUNWAY 11-29 AOA LINE. THE CONTRACTOR SHALL COME NO CLOSER THAN 1000' TO THE RUNWAY 29 END WHEN CROSSING THE APPROACH WHILE THE RUNWAY IS OPEN. NO OVERNIGHT CLOSURES WILL BE PERMITTED.
- WORK AREA 5 CONSISTS OF A COMBINATION OF CLEARING, CLEARING AND GRUBBING, AND INDIVIDUAL TREE REMOVAL UNDERNEATH THE RUNWAY 29 APPROACH EAST OF THE AIRFIELD. CLEARED MATERIAL SHALL BE MULCHED AND SPREAD ONSITE. SITE ACCESS SHALL COME FROM THE FIELD ENTRANCE OFF OF COUNTY ROAD 1500 EAST.
- 5. ALL EQUIPMENT MUST BE LOWERED WHEN NOT IN USE OR IN TRANSIT AND MAY NOT BE LEFT WITHIN 400' OF EITHER
- SOME OF THE SITE ACCESS ROUTES TRAVERSE ACROSS EXISTING CROPLAND. THE CONTRACTOR SHALL COORDINATE HIS SITE ACCESS WITH BOTH THE AIRPORT AND TENANT FARMER AS NEEDED.
- ALL ACCESS ROUTES SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AS AN INCIDENTAL COST TO THE CONTRACT, INCLUDING ANY SEEDING/MULCHING NECESSARY TO RESTORE TURF. THE CONTRACTOR IS RESPONSIBLE FOR IMMEDIATELY INSPECTING AND CLEANING ANY PAVEMENTS HE USES. NO HEAVY EQUIPMENT OR CONTINUOUS HAULING OPERATIONS WILL BE ALLOWED ON AIRFIELD PAVEMENTS, ESPECIALLY DURING TIMES OF SPRING THAW OR OTHER CONDITIONS

WHERE WEAK SUBGRADE CONDITIONS MAY BE PRESENT 8. REFER TO THE SAFETY NOTES & DETAILS SHEET FOR ADDITIONAL SAFETY INFORMATION **LEGEND** AIRCRAFT OPERATIONS AREA (AOA) CONTRACTOR WORK AREA CLOSURE CROSS DURING RWY 11-29 CLOSURE CONTRACTOR STAGING AREA E 1050TH AVE SITE ACCESS TO SITE ACCESS ROUTE WORK AREA 4 AIRPORT PROPERTY LINE SITE ACCESS TO SAFETY CRITICAL POINT work area 5 EXISTING FENCE LINE EXISTING TREE LINE CP9 E 1050TH AVE (CP18)

WORK AREA 5

20:1 THRESHOLD SITING

SURFACE (TYPE 6)

(WITHIN 250' OF RWY ©) CRITICAL POINTS CP4)-POINT # DESCRIPTION LATITUDE LONGITUDE GROUND (MSL) HEIGHT (AGL WORK AREA 2 575.0 EQUIPMENT N039 04' 32.299" | W088 31' 56.553' 35' FOLIPMENT N039° 04' 31.052" | W088° 31' 59.944' 576.0 RUNWAY 1-19 AIR 15' OPERATIONS AREA (AOA) 582.0 15' N039' 04' 28.764" W088* 32' 40.417 WORK AREA 4 567.0 EQUIPMENT N039 04 01 497" W088 32 07.207 35 EQUIPMENT N039° 03' 52.450" W088° 32' 06.483 565.0 15' **EQUIPMENT** N039' 03' 50.907" W088* 32' 03.254 561.0 35' 1025TH AVE EQUIPMENT NO39 04' 06.975" | W088 31' 42.669' 569.0 35' EQUIPMENT N039° 04' 01.335" | W088° 31' 17.514" 572.0 15' EQUIPMENT N039" 04' 04.863" | W088" 31' 09.899 573.0 35' 20:1 THRESHOLD SITING BARRICADE N039 04' 15.703" W088 32' 00.945 577.0 AIRPORT PROPERTY LINE (TYP.) WORK AREA 3 (CP17)-SURFACE (TYPE 2) BARRICADE N039' 04' 16.704" W088* 32' 03.973 578.0 577.0 BARRICADE N039° 04' 19.771" | W088° 32' 00.256' FOUIPMENT N039° 04' 29.443" | W088° 31' 55.824 574.0 35' **EQUIPMENT** N039" 04' 32.560" | W088" 32' 45.130 588.0 25' 572.0 15' EQUIPMENT

125

www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084

Effingham County Memorial Airport 14449 East 1100th Avenue Effingham, Illinois 62401 217-536-5312

OBSTRUCTION REMOVAL: RUNWAYS 11-29 AND 1-19

IDA No.: 1H2-4371 SBG No.:3-17-SBGP-105/111

Contract No. EF008

DESCRIPTION NO. DATE DES DWN REV ISSUE: 10/06/2017 (FOR BID) PROJECT NO: 14A0054 CAD FILE: G-101-SFY.DWG

DRAWN BY: KBS REVIEWED BY: RAW

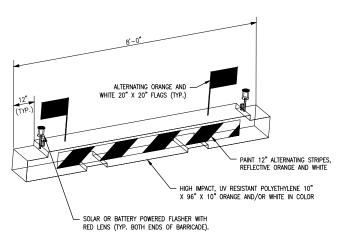
SHEET TITLE

DESIGN BY: KBS

SAFETY PLAN

10

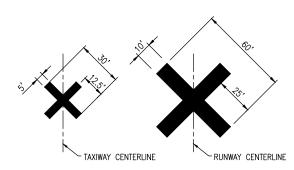
FOUIPMENT



LOW PROFILE AIRCRAFT BARRICADE DETAIL

BARRICADE NOTES

- 1. 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. BARRICADES SHALL BE SPACED END TO END THE WIDTH OF THE PAVEMENT WITH A MAXIMUM SPACING OF 4' BETWEEN ENDS. BARRICADES ARE TO BE SET BACK 250' FROM THE ACTIVE RUNWAY CENTERLINE, 129.5' FROM THE ACTIVE TAXIWAY CENTERLINE OR AS SHOWN ON THE PLANS.
- 3. CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY MAY BE USED IN EITHER A STEADY BURN (TYPE C) OR LOW INTENSITY FLASHING MODE (TYPE A) UNLESS NOTED OTHERWISE.
- 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
- BARRICADES SHALL BE SECURED TO THE GROUND BY APPROVED METHODS TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS.
- THE ONLY COLOR COMBINATION ON BARRICADES IS ORANGE AND WHITE. THE ORANGE STRIPES SHALL BE ENCAPSULATED LENS REFLECTIVE SHEETING. TH WHITE STRIPES SHALL BE EITHER ENCAPSULATED OR ENCLOSED LENS REFLECTIVE SHEETING AND MUST BE IN ACCEPTABLE CONDITION.
- COST FOR PROVIDING, PLACING, MAINTAINING, RELOCATING AND REMOVING BARRICADES SHALL BÉ INCLUDÉD AS AN INCIDENTAL COST TO THE CONTRACT.



- 1. TEMPORARY CLOSURE CROSS MARKINGS SHALL BE "AVIATION YELLOW."
- 2. TEMPORARY CLOSURE CROSS MARKINGS SHALL BE CONSTRUCTED OF PLYWOOD, SNOW FENCE OR APPROVED FABRIC AND SHALL BE SECURED TO PAVEMENT BY SANDBAGS OR OTHER APPROVED METHOD.
- 3. COST FOR PROVIDING, PLACING, MAINTAINING, RELOCATING AND REMOVING CLOSURE CROSSES SHALL BE INCLUDED AS AN INCIDENTAL COST TO THE

CLOSURE CROSS MARKER DETAIL

NOT TO SCALE

SAFETY NOTES

- 1. 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.
- 2. 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
- 3. 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.
- 4. CONTRACTOR EQUIPMENT, VEHICLES, AND PROJECT MATERIALS SHALL BE STORED AT THE STAGING AREA SHOWN ON THE PLAN VIEW, EXCEPT AS OTHERWISE SPECIFIED OR PROVIDED FOR AT THE PRECONSTRUCTION CONFERENCE.
- 5. ALL CONSTRUCTION FQUIPMENT 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.
- 6. NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN 250' OF ANY ACTIVE RUNWAY, WITHIN 129.5' 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.
- 7. 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.
- 8. OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHOULD BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR
- 9 NO CONSTRUCTION FOUIPMENT GREATER THAN THE HEIGHTS SHOWN IN THE CRITICAL POINTS TABLE WILL BE PERMITTED ON THE AIRPORT AT THE RESPECTIVE LOCATIONS WITHOUT THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL
- 10. 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.
- 11. 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.
- 12. 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
- 13. ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- 14. 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 ENGINEER/TECHNICIAN
- 15. CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- 16. 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
- 17. CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- 18. CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- 19. 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
- 20. THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST
- 21. UNLESS SPECIFIED OTHERWISE, COST FOR THE ABOVE IS TO BE CONSIDERED INCIDENTAL TO THE PROJECT. SEPARATE
- 22. THE CONTRACTOR SHALL HAVE THE SAFETY PLAN COMPLIANCE DOCUMENT (SPCD), AS DETAILED IN THE SPECIAL PROVISIONS, SUBMITTED AND APPROVED PRIOR TO BEING ISSUED "NOTICE TO PROCEED"

23. ALL RUNWAY/TAXIWAY CLOSURES SHALL BE COORDINATED WITH THE AIRPORT MANAGER A MINIMUM OF 72 HOURS BEFORE THE DESIRED CLOSING TIME. THE AIRPORT MANAGER HAS COMPLETE AUTHORITY IN DETERMINING WHEN THE RUNWAY/TAXIWAY MAY BE CLOSED.

RUNWAY/TAXIWAY CLOSURE PROCEDURES:

- CONTACT THE AIRPORT MANAGEMENT OR ASSIGNED REPRESENTATIVE A MINIMUM OF 72 HOURS BEFORE THE DESIRED CLOSING TIME
- ISSUANCE OF NOTAM AND DEACTIVATION OF THE APPLICABLE AIRFIELD LIGHTING AND NAVAIDS BY THE AIRPORT MANAGEMENT AND/OR FAA.
- PLACEMENT OF CROSSES AND BARRICADES.
- ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION OPERATIONS BEGIN WITHIN THE RUNWAY/TAXIWAY AIR OPERATIONS AREA.

RUNWAY/TAXIWAY RE-OPENING PROCEDURES:

- ENSURE ALL PERSONNEL, EQUIPMENT AND MATERIALS ARE CLEAR OF THE AIR OPERATIONSAREA
- INSPECT THE AREA FOR LOOSE OR TRACKED DEBRIS, PAVEMENT DROP-OFFS, AND OPEN TRENCHES
- CONTACT AIRPORT MANAGEMENT OR REPRESENTATIVE FOR FINAL INSPECTION OF THE AREA.
- REMOVE BARRICADES AND CROSSES.
- ACTIVATION OF THE AIRFIELD LIGHTING AND NAVAIDS AND CANCELLATION OF THE NOTAM BY THE AIRPORT MANAGEMENT AND/OR FAA.

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084

Fffingham County Memorial Airport 14449 East 1100th Avenue Effingham, Illinois 62401 217-536-5312

OBSTRUCTION REMOVAL: RUNWAYS 11-29 AND 1-19

IDA No.: 1H2-4371 SBG No.:3-17-SBGP-105/111

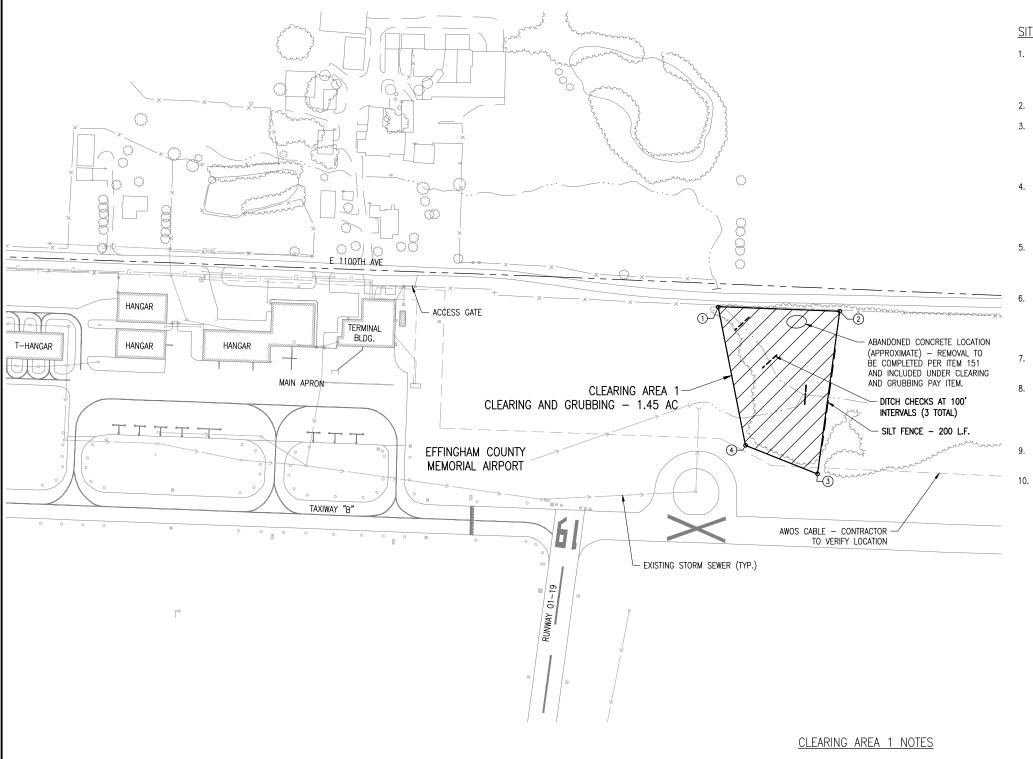
Contract No. EF008

	NO.	DATE	DESCRIPTION		
NO.	INO.	DATE	DES	DWN	REV
ISSUE: 10/06/2017 (FOR BID))	
PROJECT NO: 14A0054					
	CADEIL	E · G 501-9	EV DWG		

DESIGN BY: KBS DRAWN BY: KBS REVIEWED BY: RAW

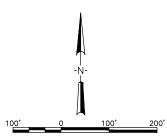
SHEET TITLE

SAFETY NOTES AND **DETAILS**



SITE CLEARING NOTES

- 1. DUE TO WILDLIFE CONSERVATION CONSTRAINTS REGARDING THE INDIANA BAT, ALL TREES MUST BE TAKEN DOWN BETWEEN THE DATES OF OCTOBER 1 AND MARCH 31. MULCHING AND/OR REMOVAL OF FELLED TREES, GRUBBING, SEEDING, AND SITE RESTORATION MAY TAKE PLACE OUTSIDE OF THOSE DATES.
- 2. CONTACT THE AIRPORT AT (217) 536-5312 TO INSPECT THE SITE PRIOR TO BIDDING.
- CLEARING AND GRUBBING AREAS SHOWN TO BE CLEARED AND GRUBBED SHALL BE FULLY CLEARED PER ITEM 151 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS. CLEARED MATERIAL SHALL BE MULCHED AND SPREAD ONSITE, OR HAULED OFFSITE, AS CALLED OUT FOR THAT PARTICULAR LOCATION IN
- CLEARING ONLY (NO GRUBBING) AREAS SHOWN TO BE CLEARED ONLY SHALL HAVE THE TREES AND VEGETATION REMOVED DOWN TO WITHIN 2 INCHES OF GROUND LEVEL, LEAVING THE ROOT SYSTEMS INTACT. REMOVED MATERIAL SHALL BE MULCHED IN PLACE AND SPREAD EVENLY OVER THE REMOVAL AREA TO PROVIDE GROUND
- 5. <u>TEMPORARY SEEDING</u> A TEMPORARY SEED MIX SHALL BE APPLIED FOLLOWING THE GRUBBING OPERATION PER ITEM 156000. AREAS OF TEMPORARY SEEDING MAY BE DELETED BY THE RESIDENT ENGINEER/TECHNICIAN IF PERMANENT SEEDING IS EXPECTED TO TAKE PLACE WITHIN 7 DAYS OF CLEARING AND GRUBBING COMPLETION.
- PERMANENT SEEDING A PERMANENT SEED MIX PER ITEM 901 SHALL BE APPLIED DURING THE ALLOWABLE SEEDING WINDOW. PERMANENT SEED SHALL BE APPLIED HYDRAULICALLY WITH A HEAVY DUTY MULCH AND TACKIFIER. AREAS TO BE SEEDED ON SLOPES SHALL BE LIGHTLY COMPACTED WITH SMALL TRACKED EQUIPMENT IN A DIRECTION PERPENDICULAR TO THE SLOPE PRIOR TO HYDROSEEDING APPLICATION.
- RIPRAP APRONS SHALL BE INSTALLED PER ITEM 156540 OF THE STANDARD SPECIFICATIONS, AND THE DETAIL ON SHEET 9.
- 8. RIPRAP AND DITCH CHECK LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE IDENTIFIED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO INSTALLATION. AND ADDITIONAL QUANTITY OF 15 S.Y. OF RR4 RIPRAP AND 1 DITCH CHECK HAVE BEEN INCLUDED FOR USE AS DETERMINED NECESSARY BY THE RESIDENT ENGINEER/TECHNICIAN.
- REFER TO THE SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING EACH WORK ITEM.
- 10. THE CONTRACTOR SHALL PROVIDE APPROPRIATE TRAFFIC CONTROL WHILE WORKING NEAR ANY COUNTY OR TOWNSHIP ROADWAYS OPEN TO THE PUBLIC.



1. ENTIRE DELINEATED AREA IS TO BE CLEARED, GRUBBED, AND SEEDED. CLEARED MATERIAL SHALL BE MULCHED AND HAULED TO OTHER CLEARING ONLY AREAS FOR SPREADING OR HAULED OFFSITE.

CONTROL POINTS				
POINT #	NORTHING	EASTING		
1	877,273.3	927,742.6		
2	877,264.6	927,995.6		
3	876,925.6	927,949.3		
4	876,985.4	927,799.3		



AR151412 - TREE CLEARING

0

AR151450 - CLEARING AND GRUBBING

AR901510 - SEEDING AR901520 - TEMPORARY SEEDING

AR151420 - CLEARING TREES 0-2.5' BUTT. DIA.

---- AR156510 - SILT FENCE

AR156511 - DITCH CHECK

EXISTING TREELINE



AR156544 - RIPRAP-GRADATION NO. 4

EXISTING FLOWLINE

——×—— EXISTING FENCLINE

www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084

Effingham County Memorial Airport 14449 East 1100th Avenue Effingham, Illinois 62401 217-536-5312

OBSTRUCTION REMOVAL: RUNWAYS 11-29 AND 1-19

IDA No.: 1H2-4371 SBG No.:3-17-SBGP-105/111

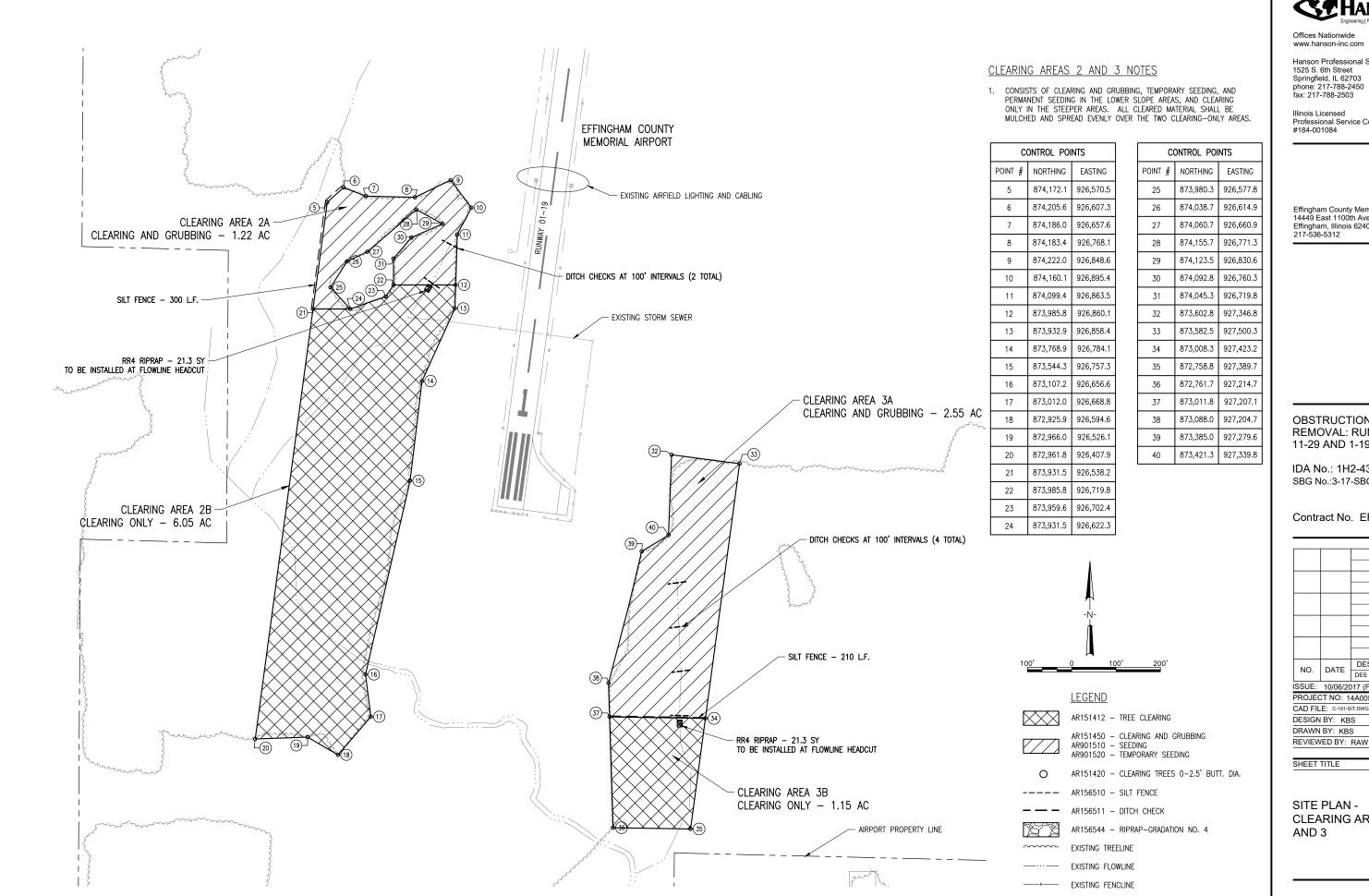
Contract No. EF008

NO.	DATE	DESCRIPTION			
NO.	DATE	DES	DWN	REV	
ISSUE:	ISSUE: 10/06/2017 (FOR BID)				
PROJEC	PROJECT NO: 14A0054				
CAD FIL	CAD FILE: C-101-SIT.DWG				
DESIGN BY: KBS					
DRAWN BY: KBS					

SITE PLAN -**CLEARING AREA 1**

REVIEWED BY: RAW

SHEET TITLE





www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450 fax: 217-788-2503

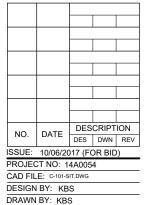
Illinois Licensed Professional Service Corporation #184-001084

Effingham County Memorial Airport 14449 East 1100th Avenue Effingham, Illinois 62401 217-536-5312

OBSTRUCTION REMOVAL: RUNWAYS 11-29 AND 1-19

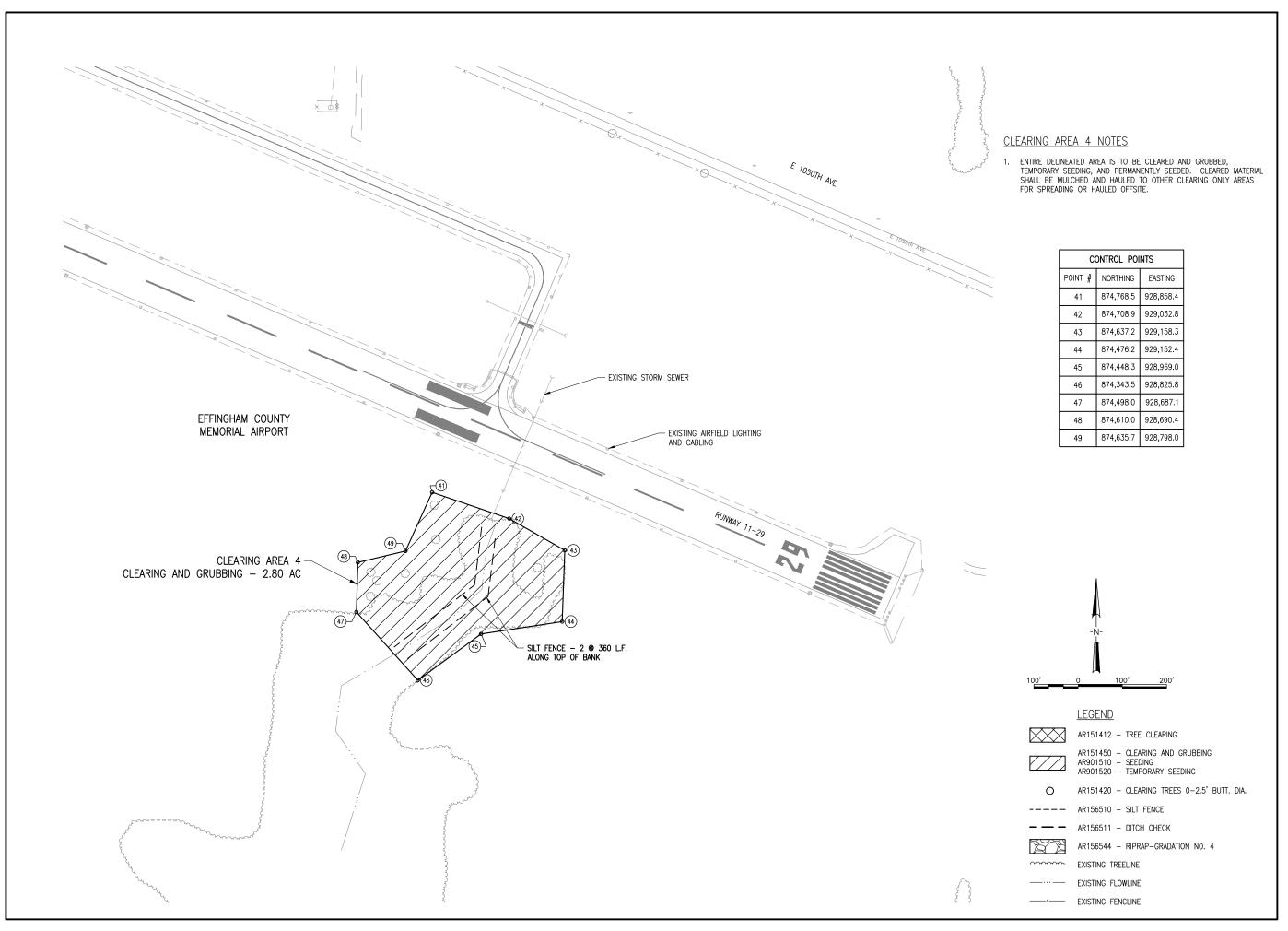
IDA No.: 1H2-4371 SBG No.:3-17-SBGP-105/111

Contract No. EF008



SHEET TITLE

SITE PLAN -**CLEARING AREAS 2** AND 3





Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450 fax: 217-788-2503

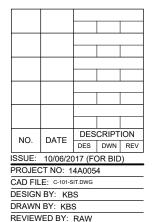
Illinois Licensed Professional Service Corporation #184-001084

Effingham County Memorial Airport 14449 East 1100th Avenue Effingham, Illinois 62401 217-536-5312

OBSTRUCTION REMOVAL: RUNWAYS 11-29 AND 1-19

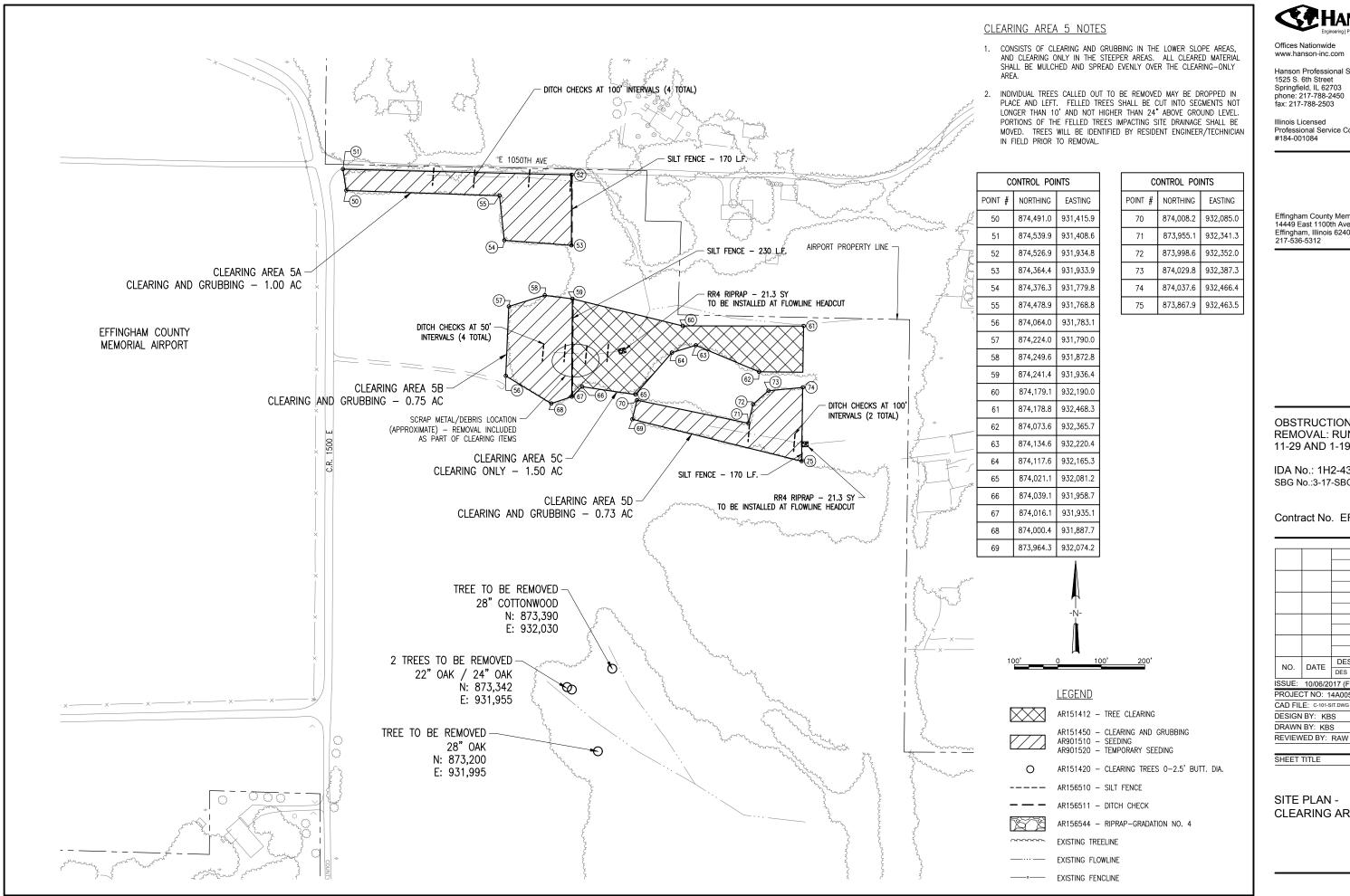
IDA No.: 1H2-4371 SBG No.:3-17-SBGP-105/111

Contract No. EF008



SHEET TITLE

SITE PLAN -CLEARING AREA 4





www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450 fax: 217-788-2503

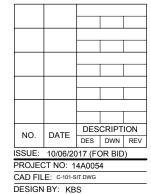
Illinois Licensed Professional Service Corporation #184-001084

Effingham County Memorial Airport 14449 East 1100th Avenue Effingham, Illinois 62401 217-536-5312

OBSTRUCTION REMOVAL: RUNWAYS 11-29 AND 1-19

IDA No.: 1H2-4371 SBG No.:3-17-SBGP-105/111

Contract No. EF008



SHEET TITLE

SITE PLAN -**CLEARING AREA 5**

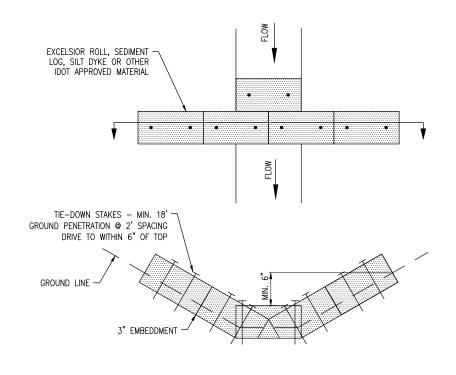
MIN. 2" X 2" WOODEN STAKES @ 5' SPACING FILTER CLOTH BACKFILL FLOW ____ /UNDISTURBED GROUND EMBED FILTER CLOTH MIN. 6" INTO GROUND-SILT FENCE DETAIL

HEADCUT IN FLOWLINE EXISTING GROUND -FLOWLINE FILTER FABRIC -RR1 BEDDING STONE (6" DEPTH) RR4 STONE (12" DEPTH) -PROFILE VIEW SECTION VIEW

RIPRAP DETAIL N.T.S.

STORMWATER POLLUTION PREVENTION PLAN NOTES

- 1. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT FOR THIS PROJECT. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, INCLUDING THESE CONSTRUCTION PLANS, SPECIAL PROVISIONS, ITEM 156000 OF THE <u>ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS</u>, AND WITH THE <u>ILLINOIS URBAN</u> MANUAL (CURRENT ISSUE).
- 2. EROSION CONTROL METHODS AND LOCATIONS ARE INCLUDED ON THE "SITE PLAN" SHEETS.
- 5. EROSION CONTROLS MUST BE IN PLACE PRIOR TO BEGINNING GRUBBING OPERATIONS. THE CONTRACTOR SHALL TAKE PRECAUTIONS AND ADJUST HIS OPERATIONS AS NECESSARY TO MINIMIZE THE SITE EXPOSURE TO EROSION.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOR INSTALLING, REPAIRING, MAINTAINING, OR ADJUSTING ALL EROSION CONTROLS THROUGHOUT THE PROJECT, AND REMOVING WHEN CONTROLS ARE NO LONGER NECESSARY. ALL COSTS SHALL BE INCLUDED IN THE APPLICABLE EROSION CONTROL PAY ITEM.
- 7. IF ISOLATED AREAS OF POTENTIAL EROSION CONCERN BECOME EVIDENT DURING CLEARING OPERATIONS, THE RESIDENT ENGINEER/TECHNICIAN MAY DIRECT THE CONTRACTOR TO PLACE MULCH OR LOGS FROM THE CLEARING IN THOSE LOCATIONS AS AN INCIDENTAL COST TO THE APPLICABLE CLEARING PAY ITEM.



DITCH CHECK DETAIL N.T.S.

www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62703 phone: 217-788-2450 fax: 217-788-2503

Professional Service Corporation #184-001084

Effingham County Memorial Airport 14449 East 1100th Avenue Effingham, Illinois 62401 217-536-5312

OBSTRUCTION REMOVAL: RUNWAYS 11-29 AND 1-19

IDA No.: 1H2-4371 SBG No.:3-17-SBGP-105/111

Contract No. EF008

DESCRIPTION NO. DATE DES DWN REV ISSUE: 10/06/2017 (FOR BID) PROJECT NO: 14A0054

CAD FILE: C-501-SWPPP.DWG

DESIGN BY: KBS DRAWN BY: KBS REVIEWED BY: RAW

SHEET TITLE

STORMWATER **POLLUTION** PREVENTION PLAN **NOTES AND DETAILS**