

CONSTRUCTION PLANS

REMOVE OBSTRUCTIONS TO RUNWAY 13-31

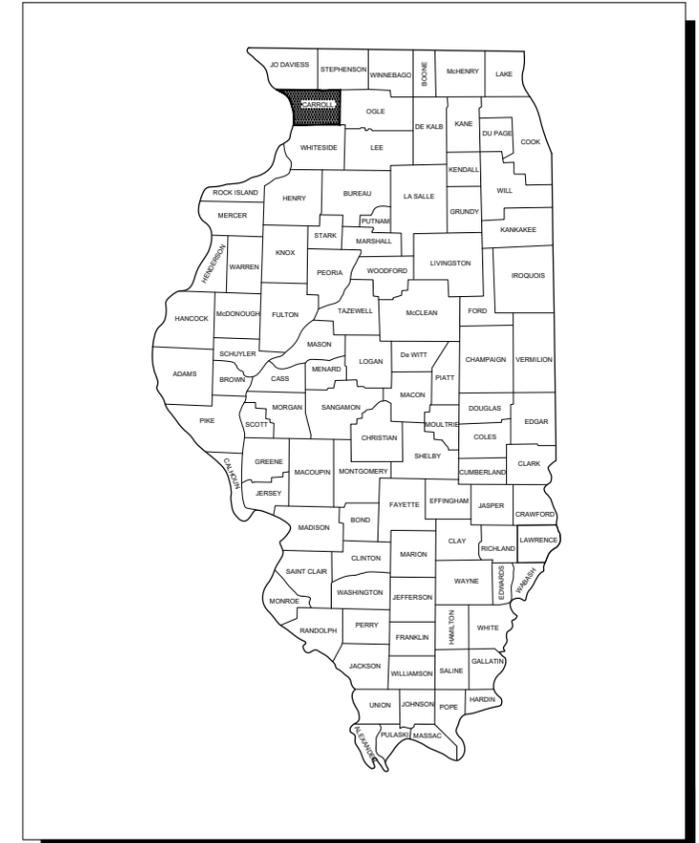
TRI-TOWNSHIP AIRPORT
SAVANNA, CARROLL COUNTY, ILLINOIS

IDA PROJECT NO. SFY-4026
A.I.P. PROJECT NO. 3-17-SBGP-99/111

VICINITY MAP



LOCATION MAP



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.

No.	Issue/Description	Sheets Changed	Date	By

PREPARED BY:



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Springfield, Illinois 62703-2886
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DATE OF PLANS:
AUGUST 16, 2017



Kyle Schweitzer, P.E. Lic. Exp. 11/30/2017
Project Engineer Date

TRI-TOWNSHIP AIRPORT AUTHORITY
8049 Illinois Route 84
Savanna, Illinois 61074

Dale Brown
Date

AUGUST 16, 2017
Date

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 CLEARING PLAN
6	TREE REMOVAL PLAN

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AR150520	MOBILIZATION	L.S.	1	
AR151412	TREE CLEARING	ACRE	9	
AR151420	CLEARING TREES 0-2.5' BUTT. DIA.	EA.	45	
AR151429	STUMP REMOVAL 0.0-2.5 FT. DIA.	EA.	2	
AR901510	SEEDING	ACRE	0.3	
AR902100	PLANT TREE	EA.	1	

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 OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
7. 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.
8. THE CONTRACTOR MUST AT ALL TIMES MAINTAIN PROPER DRAINAGE AND EROSION CONTROL FOR ALL AREAS AFFECTED BY HIS WORK.
9. NPDES PERMIT - THIS PROJECT WILL NOT DISTURB MORE THAN 1 ACRE, THEREFORE A NPDES PERMIT IS NOT REQUIRED.
10. 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.
11. CERTIFIED PAYROLLS - THE RESIDENT ENGINEER CANNOT FORWARD A CONSTRUCTION REPORT FOR PAYMENT TO THE IDOT-DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL 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 _____ CARROLL
CITY _____ SAVANNA
TOWNSHIP _____ SAVANNA
SECTION NO. _____ 25
ADDRESS _____ TRI-TOWNSHIP AIRPORT
8049 IL. ROUTE 84
SAVANNA, ILLINOIS 61075

REMOVE
OBSTRUCTIONS TO
RUNWAY 13-31

SBG No: 3-17-SBGP-99/111

IDA No: SFY-4026

Contract No. TR008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: 08/16/2017 (FOR BID)

PROJECT NO: 15A0040

CAD FILE: G-002-S00.DWG

DESIGN BY: KBS

DRAWN BY: KBS

REVIEWED BY: RAW

SHEET TITLE

SUMMARY OF
QUANTITIES, INDEX
TO SHEETS, AND
GENERAL NOTES

REMOVE
OBSTRUCTIONS TO
RUNWAY 13-31

SBG No: 3-17-SBGP-99/111

IDA No: SFY-4026

Contract No. TR008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: 08/16/2017 (FOR BID)

PROJECT NO: 15A0040
CAD FILE: G-101-SFY.DWG
DESIGN BY: KBS
DRAWN BY: KBS
REVIEWED BY: RAW

SHEET TITLE

SAFETY PLAN

CONSTRUCTION SAFETY PLAN

- GENERAL** - THE TRI-TOWNSHIP AIRPORT IS A GENERAL AVIATION AIRPORT COMPRISED OF 4,000' X 75' PAVED ASPHALT RUNWAY 13-31, WITH ACCESS TAXIWAY AND TWO RAMP AREAS. THE PROPOSED CONSTRUCTION WILL REQUIRE THE DAYTIME-ONLY CLOSURE OF THE RUNWAY FOR A PORTION OF PROJECT.
- PROJECT DESCRIPTION** - THIS PROJECT SHALL CONSIST OF REMOVING VEGETATIVE OBSTRUCTIONS WITHIN THE PROTECTIVE AIRSPACE AROUND THE APPROACHES AND SIDES OF THE RUNWAY. PROJECT INCLUDES TREE REMOVAL, 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 AREAS WILL REQUIRE TEMPORARY CLOSURE OF THE RUNWAY. THE AOA FOR RUNWAY 13-31 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 OFF EACH RUNWAY END AND RISING AT A SLOPE OF 20:1. THE CONTRACTOR SHALL STAKE OR MARK THESE LIMITS PRIOR TO THE START OF WORK WITH A WOODEN LATHE AT 100' INTERVALS OR OTHER FORM OF EASILY VISIBLE MARKING.
- WORK AREAS**
 - WORK AREA 1** - WORK AREA 1 COVERS ALL WORK TO BE PERFORMED WITHIN THE AOA - 125' OF THE RUNWAY CENTERLINE OR WITHIN THE THRESHOLD SITING SURFACE LIMITS, AND WILL REQUIRE THE CLOSURE OF RUNWAY 13-31. THE CONTRACTOR WILL HAVE **THREE DAYS** TO COMPLETE THIS WORK. THE RUNWAY SHALL BE REOPENED AT THE END OF EACH DAY. NO OVERNIGHT CLOSURES WILL BE PERMITTED UNLESS AUTHORIZED BY THE AIRPORT MANAGER.
 - WORK AREA 2** - WORK AREA 2 COVERS ALL REMAINING WORK OUTSIDE OF THE AOA, AND DOES NOT REQUIRE CLOSURE OF ANY AIRFIELD PAVEMENTS.
- 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:

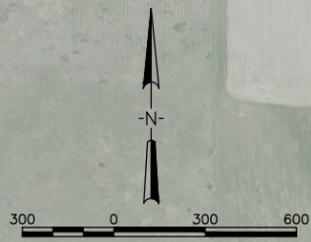
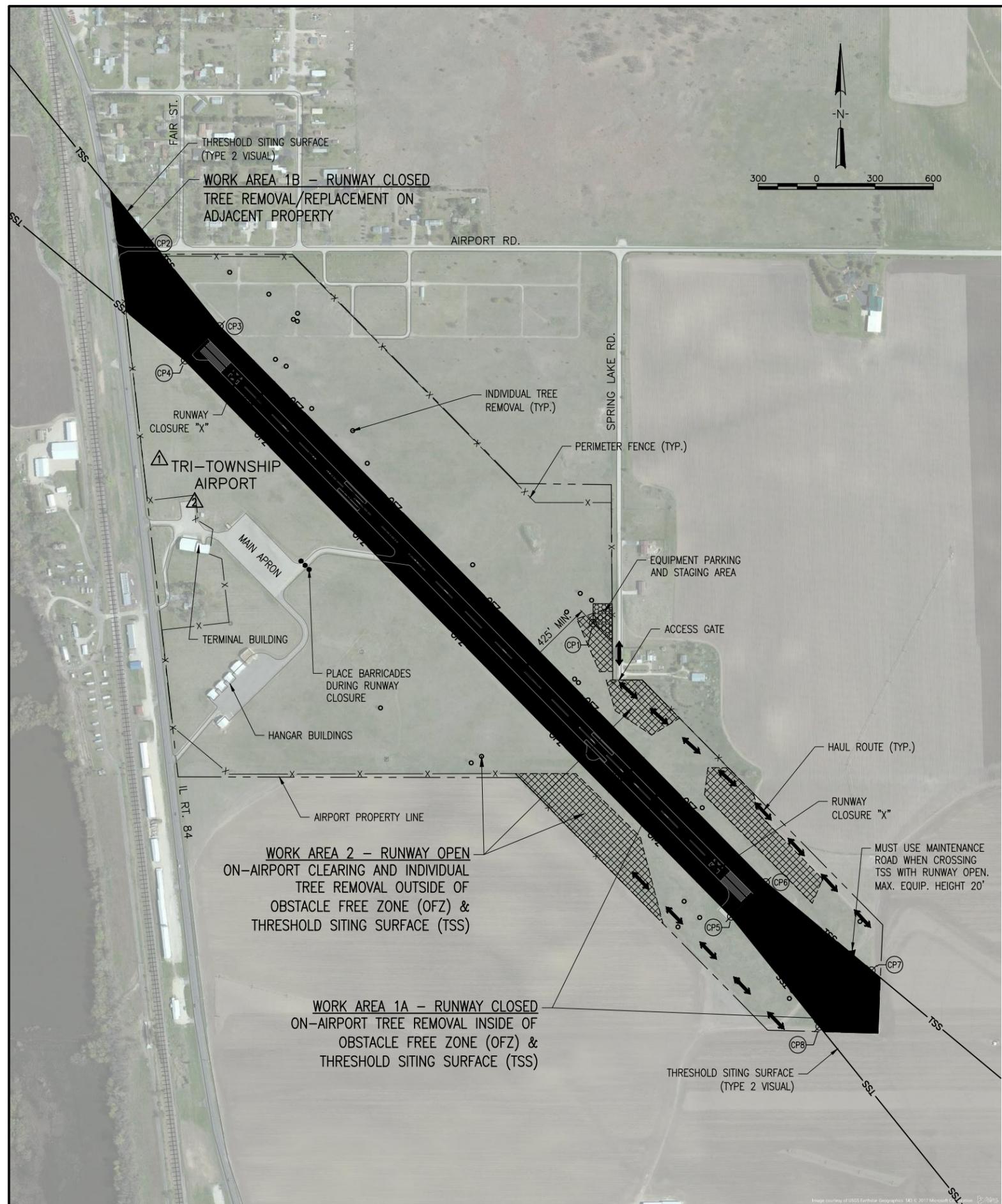
 - ENSURE ALL PERSONNEL, EQUIPMENT AND MATERIALS ARE CLEAR OF THE AIR OPERATIONS AREA.
 - INSPECT THE AREA FOR LOOSE OR TRACKED DEBRIS, PAVEMENT DROP-OFFS, AND OPEN TRENCHES.
 - CONTACT AIRPORT MANAGEMENT OR REPRESENTATIVE FOR FINAL INSPECTION OF THE AREA.
 - REMOVE BARRICADES AND CROSSES.
 - ACTIVATION OF THE AIRFIELD LIGHTING AND NAVAIDS AND CANCELLATION OF THE NOTAM BY THE AIRPORT MANAGEMENT AND/OR FAA.
- THE CONTRACTOR SHALL PROVIDE A WRITTEN STATEMENT OF HIS ACCEPTANCE AND ASSURANCE THAT HE WILL COMPLY WITH THE PROPOSED CONSTRUCTION SAFETY AND PHASING PLAN PRIOR TO BEING ISSUED THE NOTICE TO PROCEED.
- REFER TO THE CONSTRUCTION SAFETY NOTES & DETAILS SHEET FOR ADDITIONAL SAFETY INFORMATION.

HORIZONTAL AND VERTICAL CONTROL DATA				
NO.	DESCRIPTION	NORTHING	EASTING	ELEV.
△	"P 272" NGS MONUMENT	1,960,063.83	2,310,910.60	608.83
△	MAG NAIL IN PAVEMENT	1,959,846.81	2,311,089.71	609.31

SURVEY NOTES

- ALL COORDINATE VALUES SHOWN IN TABLE ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD 83 (HPGN). ALL ELEVATIONS ARE REFERENCED TO NAVD 88.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT AND ANY EXTENSION OF THE CONTROL NETWORK NEEDED TO PROPERLY COMPLETE THE WORK.

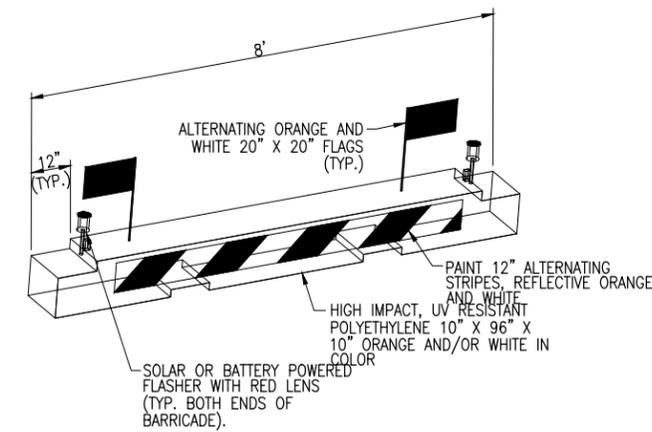
CRITICAL POINTS					
POINT #	DESCRIPTION	LATITUDE	LONGITUDE	GRND. ELEV. (MSL)	HEIGHT (AGL)
1	EQUIP.	N042° 02' 44.939"	W090° 06' 20.583"	615.0	25'
2	EQUIP.	N042° 03' 04.183"	W090° 06' 50.844"	612.0	25'
3	EQUIP.	N042° 02' 59.980"	W090° 06' 46.003"	613.0	25'
4	EQUIP.	N042° 02' 58.248"	W090° 06' 48.366"	613.0	25'
5	EQUIP.	N042° 02' 30.070"	W090° 06' 11.192"	613.0	25'
6	EQUIP.	N042° 02' 31.801"	W090° 06' 08.829"	613.0	25'
7	EQUIP.	N042° 02' 27.331"	W090° 06' 01.624"	615.0	25'
8	EQUIP.	N042° 02' 24.495"	W090° 06' 05.177"	614.0	25'
9	EQUIP.	N042° 02' 27.098"	W090° 06' 04.817"	615.0	20'



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CONSTRUCTION SAFETY NOTES

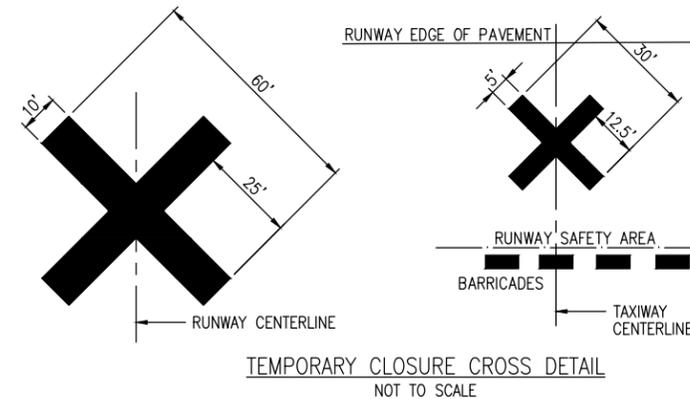
- ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN, OR AS MODIFIED BY THE OWNER THROUGH THE RESIDENT ENGINEER/TECHNICIAN.
- ALL COSTS ASSOCIATED WITH THE WORK AND MATERIALS INVOLVING CONSTRUCTION SAFETY & PHASING AS SHOWN OR DESCRIBED IN THE CONTRACT DOCUMENTS, OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN OR AIRPORT MANAGER THROUGHOUT THE PROJECT, SHALL BE INCIDENTAL TO THE CONTRACT.
- AIRFIELD SAFETY ASSURANCE** - AIRFIELD SAFETY SHALL BE HELD PARAMOUNT AT ALL TIMES. ANY INDIVIDUALS RESPONSIBLE FOR INCURSIONS OR POTENTIAL INCURSIONS WITH AIR TRAFFIC DUE TO NON-COMPLIANCE WITH REQUIREMENTS SET FOR IN THESE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR 150/5370-2F WILL BE SUBJECT TO AN IMMEDIATE SUSPENSION OF DRIVING PRIVILEGES ON THE AIRPORT OR A COMPLETE RESTRICTION OF ACCESS TO THE AIRFIELD ALTOGETHER. THE AIRPORT MANAGER OR RESIDENT ENGINEER/TECHNICIAN MAY STOP THE WORK AT ANY TIME THEY BELIEVE AIRFIELD SAFETY IS BEING COMPROMISED.
- THE CONTRACTOR SHALL PROVIDE THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN WITH CONTACT INFORMATION FOR A PERSON ON CALL 24 HOURS A DAY FOR EMERGENCY MAINTENANCE OF BARRICADES AND HAZARD LIGHTING.
- ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED AS SPECIFIED IN AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" (CURRENT EDITION).
- CLOSED AIRFIELD WORK AREAS, OPEN TRENCHES, AND OTHER HAZARDOUS AREAS 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.
- NO PAVEMENT EDGE DROP-OFFS GREATER THAN 3" ARE ALLOWED TO REMAIN ON ANY ACTIVE AIRFIELD PAVEMENT AREA. TEMPORARY EARTH SHOULDERS SHALL BE PLACED IF AN INCOMPLETE AREA IS TO BE REOPENED TO AIRCRAFT TRAFFIC.
- AIRPORT SECURITY** - AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. NO CONTRACTOR PERSONNEL OR EQUIPMENT WILL BE PERMITTED OUTSIDE OF THE CONSTRUCTION LIMITS DEPICTED ON THESE PLANS. PERSONAL VEHICLES OF CONTRACTOR EMPLOYEES SHALL BE PARKED IN THE DESIGNATED STAGING AREA AND ARE NOT ALLOWED ACCESS ON THE SITE. THE CONTRACTOR WILL CLOSE AND LOCK THE GATE AT THE DESIGNATED CONSTRUCTION ENTRANCE AT THE END OF EACH DAY. ALL CONTRACTOR EMPLOYEES SHALL WEAR A GARMENT IDENTIFYING THEM AS CONSTRUCTION PERSONNEL.
- NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT WITHOUT THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.
- 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 SWEEPED, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- 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 ENGINEER. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER AS NECESSARY TO CONTROL DUST.
- RADIO CONTROL** - THE CONTRACTOR WILL BE REQUIRED TO REMAIN CONSTANT TWO-WAY RADIO CONTACT WITH THE TRI-TOWNSHIP AIRPORT UNICOM (122.7 MHz) AT ALL TIMES WHILE HE HAS PERSONNEL OR EQUIPMENT ON THE AIRFIELD.



LOW PROFILE AIRCRAFT BARRICADE DETAIL

NOTES:

- INTENDED USE FOR THE FOLLOWING:
 - MARKING/LIGHTING OF TEMPORARY HAZARDS WITHIN THE AOA.
 - LONGTERM CLOSURE OF AIRCRAFT ROUTES.
- INSTALL AT 12" CENTER TO CENTER SPACING ALONG FULL WIDTH OF PAVEMENT.
- USE IN AREAS SUBJECT TO JET BLAST.
- BARRICADE SHALL BE EQUIPPED WITH ALTERNATING ORANGE AND WHITE 20" X 20" FLAGS.
- BARRICADES SHALL BE WATER-FILLED AND MODULAR TO ASSEMBLE/DISASSEMBLE AND NEST FOR COMPACT STORAGE.
- CONTRACTOR MAY SUBMIT ALTERNATIVE BARRICADE FOR APPROVAL BY ENGINEER. ALTERNATIVE MUST BE LESS THAN 18" IN HEIGHT AND MEET MINIMUM REQUIREMENTS OF FAA AC 150/5370-2F (LATEST EDITION).
- FURNISHING, INSTALLING, MAINTAINING AND REMOVING BARRICADES SHALL BE INCIDENTAL TO THE CONTRACT.
- CONTRACTOR SHALL MAINTAIN THE BARRICADES. ANY DAMAGED BARRICADES SHALL BE REPLACED AND NEW BARRICADES PROVIDED.



TEMPORARY CLOSURE CROSS NOTES

- TEMPORARY CLOSED RUNWAY AND CLOSED TAXIWAY MARKINGS SHALL BE AVIATION YELLOW.
- TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE CONSTRUCTED OF PLYWOOD, DOUBLE-LAYERED SNOW FENCE OR APPROVED FABRIC AND SHALL BE SECURED TO PAVEMENT BY SANDBAGS OR OTHER APPROVED METHOD.
- TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE PLACED OVER THE RUNWAY DESIGNATION NUMBERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- TEMPORARY CLOSED TAXIWAY MARKINGS SHALL BE PLACED WHEN AN ADJACENT RUNWAY IS OPEN AND THE TAXIWAY IS CLOSED MORE THAN 72 HOURS. THE CLOSED TAXIWAY MARKINGS SHALL BE PLACED AS SHOWN ON THIS SHEET. MARKINGS SHALL BE CONSTRUCTED USING TEMPORARY PAINT SUCH AS SEYMOUR TEMPORARY MARKER, PART NO. 20-636, OR AN EQUIVALENT PAINT EASILY REMOVED WITH WATER WITHOUT DEFACING THE PAVEMENT.
- THE PROPOSED CROSSES WILL BE PLACED EACH DAY THE RUNWAY OR TAXIWAY IS CLOSED AND REMOVED WHEN THE RUNWAY OR TAXIWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES.

REMOVE OBSTRUCTIONS TO RUNWAY 13-31

SBG No: 3-17-SBGP-99/111

IDA No: SFY-4026

Contract No. TR008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: 08/16/2017 (FOR BID)

PROJECT NO: 15A0040

CAD FILE: G-501-SFY.DWG

DESIGN BY: KBS

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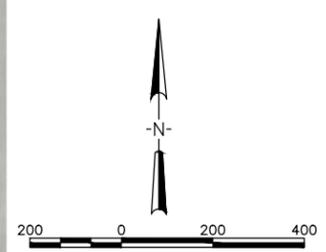
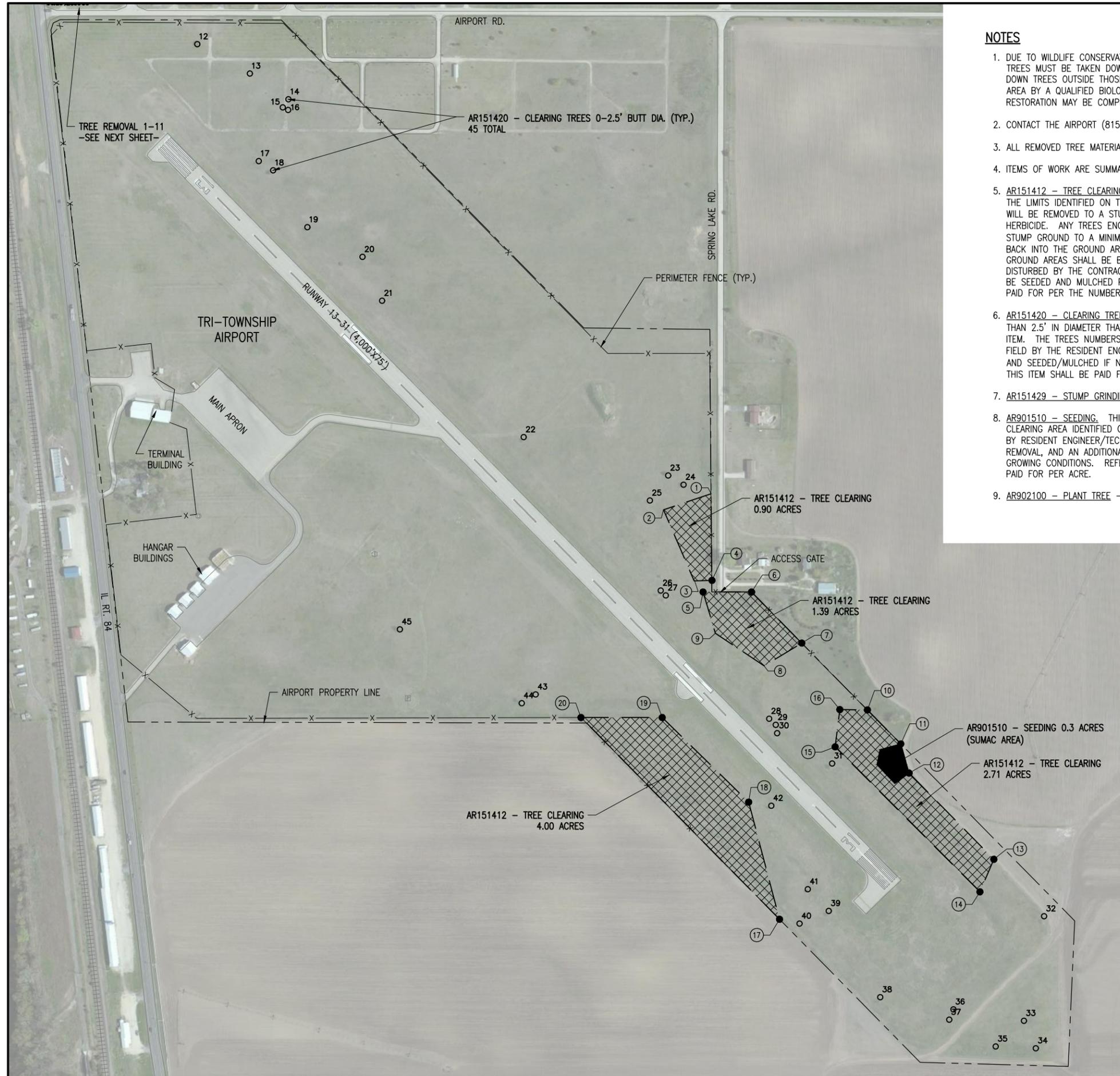
REVIEWED BY: RAW

SHEET TITLE

SAFETY NOTES AND DETAILS

NOTES

1. DUE TO WILDLIFE CONSERVATION CONSTRAINTS REGARDING THE LOGGERHEAD SHRIKE AND INDIANA BAT, ALL TREES MUST BE TAKEN DOWN BETWEEN THE DATES OF OCTOBER 1 AND FEBRUARY 15. ATTEMPTS TO CUT DOWN TREES OUTSIDE THOSE DATES WILL REQUIRE THE PHYSICAL INSPECTION AND CLEARING OF THE PROJECT AREA BY A QUALIFIED BIOLOGIST AT THE CONTRACTOR'S EXPENSE. HAULING OF TREES OFFSITE AND RESTORATION MAY BE COMPLETED OUTSIDE OF THOSE DATES.
2. CONTACT THE AIRPORT (815) 273-3555 TO ARRANGE A SITE VISIT PRIOR TO BIDDING.
3. ALL REMOVED TREE MATERIAL SHALL BE HAULED OFFSITE AND DISPOSED OF IN A LEGAL MANNER.
4. ITEMS OF WORK ARE SUMMARIZED BELOW. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL DETAILS.
5. AR151412 - TREE CLEARING. THIS ITEM CONSISTS OF CLEARING ALL TREES AND WOODY VEGETATION WITHIN THE LIMITS IDENTIFIED ON THIS SHEET. ANY TREES LESS THAN 3" IN DIAMETER ENCOUNTERED IN THE AREA WILL BE REMOVED TO A STUMP FLUSH WITH THE GROUND LEVEL AND PAINTED WITH A BRUSH KILLER HERBICIDE. ANY TREES ENCOUNTERED GREATER THAN 3" WILL BE CUT TO GROUND LEVEL, AND HAVE THE STUMP GROUND TO A MINIMUM OF 12" BELOW GROUND LEVEL. THE MULCH MATERIAL SHALL BE PACKED BACK INTO THE GROUND AREA, LEVELED OFF, AND ANY EXCESS HAULED OFF. EXCESSIVELY DEEP OR WIDE GROUND AREAS SHALL BE BACKFILLED WITH TOPSOIL IN LIEU OF MULCH, AND AREAS LEFT BARREN OR DISTURBED BY THE CONTRACTOR GREATER THAN 3 FEET IN DIAMETER AROUND THE REMOVAL LOCATION SHALL BE SEEDED AND MULCHED PER THE SEEDING SPECIFICATION AS AN INCIDENTAL COST. THIS ITEM SHALL BE PAID FOR PER THE NUMBER OF ACRES CLEARED TO THE LIMITS SHOWN ON THIS PLAN SHEET.
6. AR151420 - CLEARING TREES 0-2.5' BUTT DIA. THIS ITEM CONSISTS OF REMOVING ISOLATED TREES LESS THAN 2.5' IN DIAMETER THAT ARE NOT LOCATED WITHIN THE LIMITS OF THE TREE CLEARING BY ACREAGE PAY ITEM. THE TREES NUMBERS AND LOCATIONS ARE SHOWN ON THESE SHEETS AND WILL BE IDENTIFIED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN. THE TREES SHALL BE REMOVED AND THE AREA RESTORED AND SEEDED/MULCHED IF NECESSARY IN THE SAME MANNER AS THE AR151412 "TREE CLEARING" PAY ITEM. THIS ITEM SHALL BE PAID FOR PER EACH TREE REMOVED.
7. AR151429 - STUMP GRINDING - SEE NEXT SHEET.
8. AR901510 - SEEDING. THIS ITEM SHALL CONSIST OF SEEDING AND MULCHING A PORTION OF THE TREE CLEARING AREA IDENTIFIED ON THIS SHEET AS BEING CONCENTRATED WITH SUMAC. LIMITS WILL BE IDENTIFIED BY RESIDENT ENGINEER/TECHNICIAN. A TEMPORARY SEED MIX SHALL BE BROADCAST AT THE TIME OF REMOVAL, AND AN ADDITIONAL SEEDING AND MULCHING SHALL BE APPLIED IN THE SPRING DURING FAVORABLE GROWING CONDITIONS. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL DETAILS. THIS ITEM SHALL BE PAID FOR PER ACRE.
9. AR902100 - PLANT TREE - SEE NEXT SHEET.



CONTROL POINTS		
POINT #	NORTHING	EASTING
1	1,959,308	2,313,236
2	1,959,246	2,313,054
3	1,958,977	2,313,172
4	1,958,977	2,313,239
5	1,958,933	2,313,205
6	1,958,933	2,313,391
7	1,958,738	2,313,583
8	1,958,651	2,313,439
9	1,958,775	2,313,252
10	1,958,483	2,313,834

CONTROL POINTS		
POINT #	NORTHING	EASTING
11	1,958,353	2,313,961
12	1,958,242	2,313,993
13	1,957,913	2,314,317
14	1,957,789	2,314,264
15	1,958,342	2,313,710
16	1,958,484	2,313,728
17	1,957,684	2,313,497
18	1,958,131	2,313,379
19	1,958,454	2,313,049
20	1,958,454	2,312,738

REMOVE
OBSTRUCTIONS TO
RUNWAY 13-31

SBG No: 3-17-SBGP-99/111

IDA No: SFY-4026

Contract No. TR008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: 08/16/2017 (FOR BID)

PROJECT NO: 15A0040
CAD FILE: C-101-SIT.DWG

DESIGN BY: KBS
DRAWN BY: KBS

REVIEWED BY: RAW

SHEET TITLE

SITE CLEARING PLAN

REMOVE
OBSTRUCTIONS TO
RUNWAY 13-31

SBG No: 3-17-SBGP-99/111

IDA No: SFY-4026

Contract No. TR008

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: 08/16/2017 (FOR BID)

PROJECT NO: 15A0040

CAD FILE: C-102-SIT.DWG

DESIGN BY: KBS

DRAWN BY: KBS

REVIEWED BY: RAW

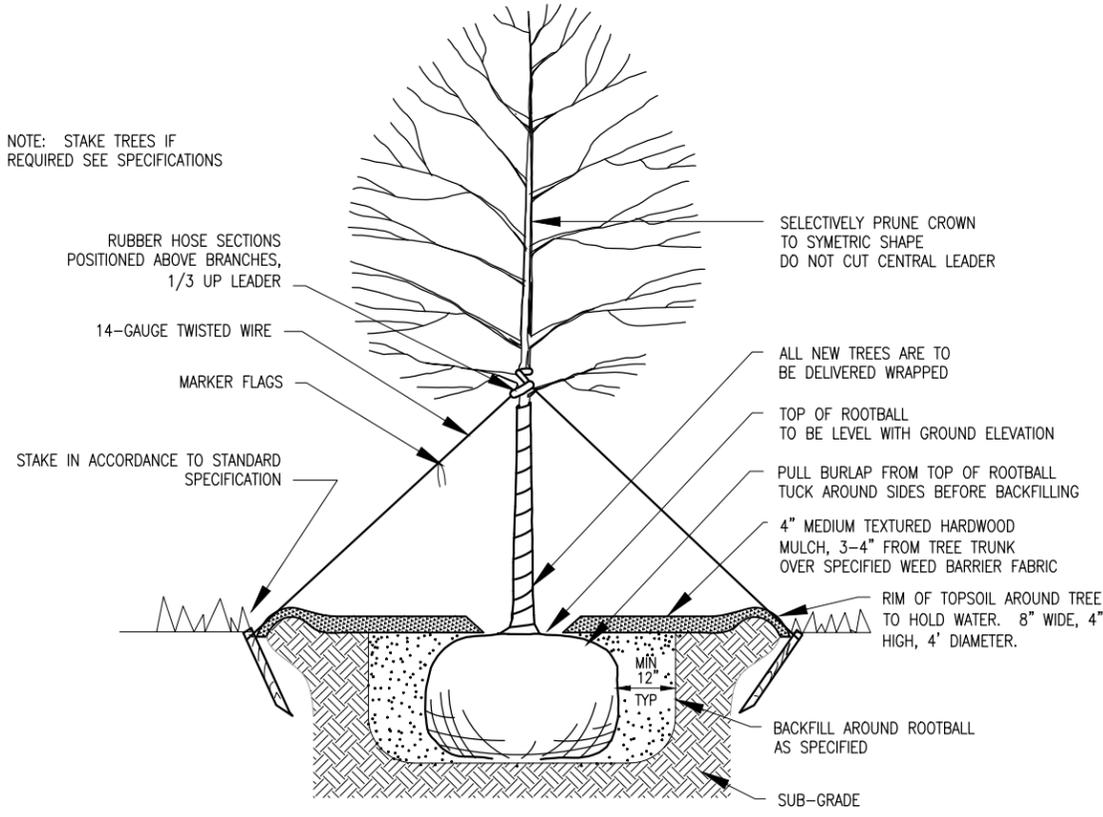
SHEET TITLE

TREE REMOVAL PLAN

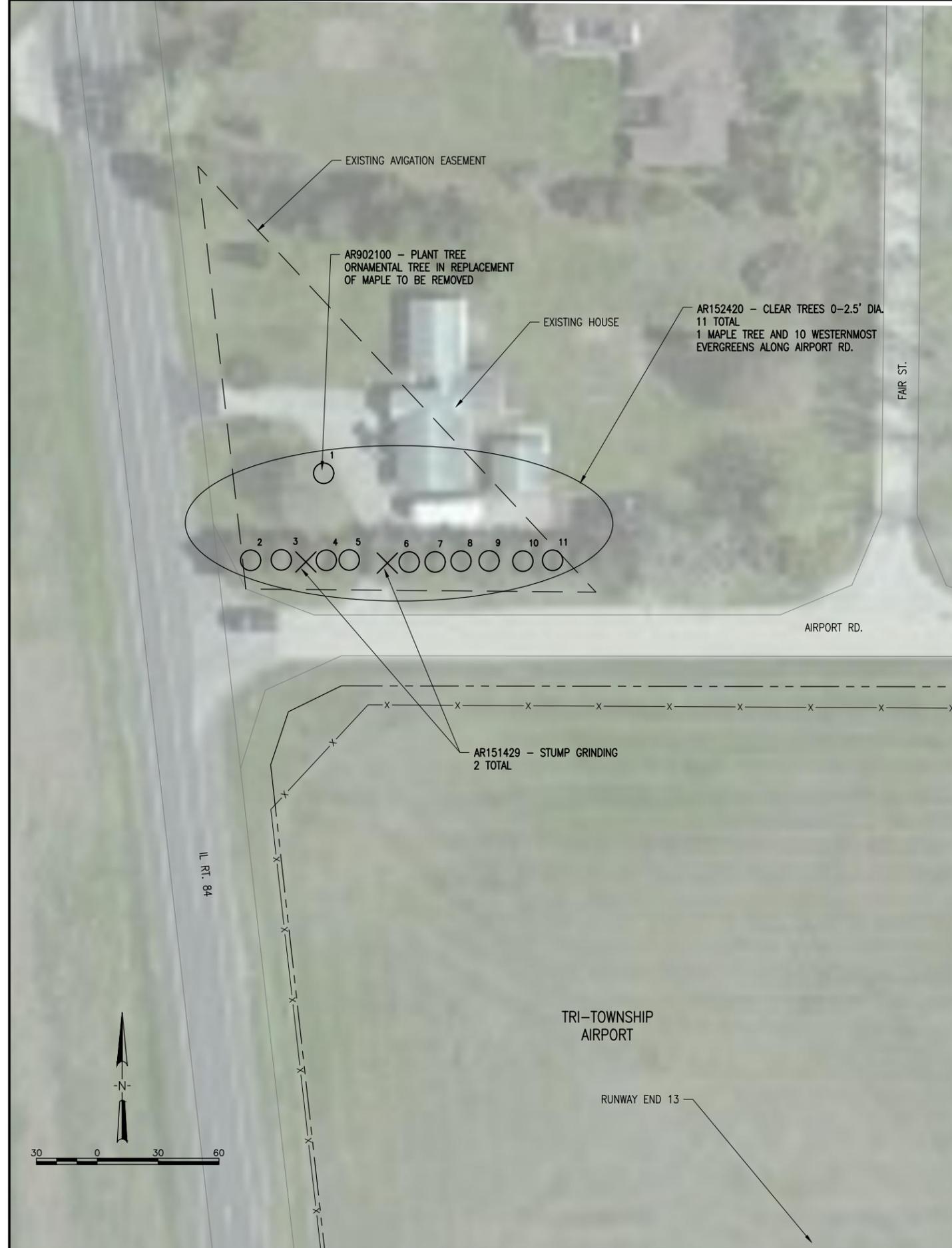
NOTES

1. DUE TO WILDLIFE CONSERVATION CONSTRAINTS REGARDING THE LOGGERHEAD SHRIKE AND INDIANA BAT, ALL TREES MUST BE TAKEN DOWN BETWEEN THE DATES OF OCTOBER 1 AND FEBRUARY 15. ATTEMPTS TO CUT DOWN TREES OUTSIDE THOSE DATES WILL REQUIRE THE PHYSICAL INSPECTION AND CLEARING OF THE PROJECT AREA BY A QUALIFIED BIOLOGIST AT THE CONTRACTOR'S EXPENSE. HAULING OF TREES OFFSITE AND RESTORATION MAY BE COMPLETED OUTSIDE OF THOSE DATES.
2. THE TREES SHOWN FOR REMOVAL ON THIS SHEET ARE LOCATED ON A NEIGHBORING PROPERTY ON WHICH THE TRI-TOWNSHIP AIRPORT AUTHORITY HAS EASEMENT. THE CONTRACTOR SHALL NOTIFY THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN A MINIMUM OF 10 DAYS IN ADVANCE OF THE ANTICIPATED REMOVAL DATES TO ALLOW COORDINATION WITH THE PROPERTY OWNER. THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHILE WORKING ON THE PROPERTY, AND IMMEDIATELY REPAIR ANY DAMAGE OR DISTURBANCE TO IT.
3. THE CONTRACTOR SHALL PROVIDE APPROPRIATE TRAFFIC CONTROL WHILE PERFORMING THE WORK.
4. AR151420 - CLEARING TREES 0-2.5' BUTT DIA. THIS ITEM CONSISTS OF REMOVING TREES LESS THAN 2.5' IN DIAMETER LOCATED WITHIN THE EASEMENT AREA OF THE NEIGHBORING PROPERTY TO THE AIRPORT. THE TREES NUMBERS AND LOCATIONS ARE SHOWN ON THESE SHEETS AND WILL BE IDENTIFIED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN. THE TREES SHALL BE REMOVED AND THE STUMPS GROUND TO 12" BELOW GRADE. THE GROUND MATERIAL SHALL BE REMOVED AND REPLACED WITH TOPSOIL AND SEEDING/MULCHED. TOPSOIL SHALL BE PROVIDED BY THE CONTRACTOR AND APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN. THIS ITEM SHALL BE PAID FOR PER EACH TREE REMOVED.
5. AR151429 - STUMP GRINDING - THIS ITEM CONSISTS OF GRINDING AND RESTORING EXISTING TREE STUMPS LESS THAN 2.5' IN DIAMETER LOCATED WITHIN THE EASEMENT AREA OF THE NEIGHBORING PROPERTY TO THE AIRPORT. THE STUMPS SHALL BE GROUND TO 12" BELOW GRADE. THE GROUND MATERIAL SHALL BE REMOVED AND REPLACED WITH TOPSOIL AND SEEDING/MULCHED. TOPSOIL SHALL BE PROVIDED BY THE CONTRACTOR AND APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN. THIS ITEM SHALL BE PAID FOR PER EACH EXISTING STUMP REMOVED. STUMPS REMOVED AS PART OF TREE REMOVAL PAY ITEMS ARE INCIDENTAL TO THAT ITEM.
6. AR902100 - PLANT TREES. THIS ITEM CONSISTS OF PROVIDING AND INSTALLING A REPLACEMENT ORNAMENTAL TREE ON THE NEIGHBORING PROPERTY TO THE AIRPORT. A LIST OF ACCEPTABLE TREE SPECIES TO BE PROVIDED IS CONTAINED IN THE SPECIAL PROVISIONS. THE CONTRACTOR WILL COORDINATE WITH THE HOMEOWNER PRIOR TO CONSTRUCTION AND INSTALL THE TREE OF THEIR CHOOSING. TREES SHALL BE PLANTED IN ACCORDANCE WITH THE DETAIL ON THIS SHEET, THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", APRIL 1, 2016, SECTION 253 "PLANTING WOODY PLANTS", AND THE SPECIAL PROVISIONS.

NOTE: STAKE TREES IF
REQUIRED SEE SPECIFICATIONS



TREE PLANTING DETAIL
NOT TO SCALE



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