

CONSTRUCTION PLANS FOR MONMOUTH MUNICIPAL AIRPORT MONMOUTH, WARREN COUNTY, ILLINOIS TREE CLEARING - RUNWAY END 2

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3	PROPOSED CONSTRUCTION PLAN
4	STORMWATER POLLUTION PREVENTION DETAILS

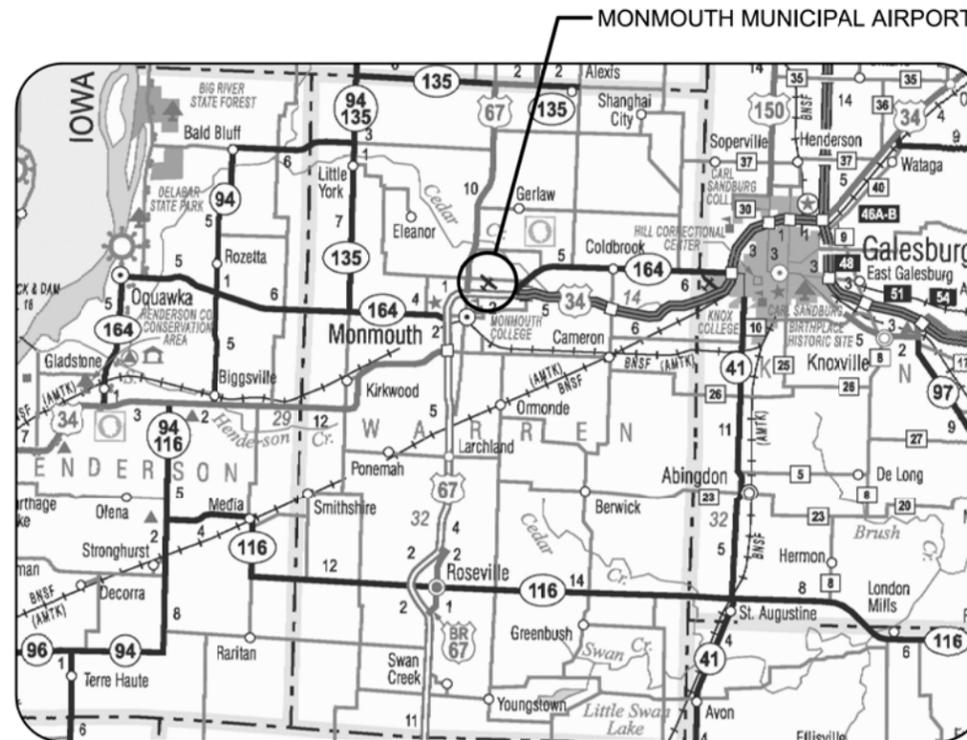
SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150540	HAUL ROUTE	L.S.	1	
AR151420	CLEARING TREES 0-2.5'	EA	50	
AR151430	CLEARING TREES 2.5'-5'	EA	10	
AR156500	TEMPORARY EROSION CONTROL	L.S.	1	

**PAYMENT WILL BE MADE UNDER THE ITEM NUMBERS, DESCRIPTIONS, AND UNITS NOTED IN THE SUMMARY OF QUANTITIES IN ACCORDANCE WITH THE BASIS OF PAYMENT FOR EACH RESPECTIVE WORK ITEM COMPLETED AND ACCEPTED BY THE ENGINEER.

SCOPE OF WORK

THIS WORK SHALL CONSIST OF THE REMOVAL OF OBSTRUCTIONS (TREES) IN THE APPROACH TO RUNWAY END 2. THE TREES SHALL BE REMOVED BY CUTTING, BUT NO GRUBBING SHALL BE PERFORMED. THE WORK SHALL REQUIRE THE CUTTING OF TREES OF VARYING DIAMETER AND DISPOSAL OF ALL TREES AND DEBRIS OFF THE SITE. THE WORK ALSO INCLUDES INSTALLATION OF EROSION CONTROL MEASURES, CONSTRUCTION AND REMOVAL OF A HAUL ROUTE AND EQUIPMENT PARKING AREA, AND THE RESTORATION OF THE DISTURBED AREAS WITHIN THE PROJECT LIMITS.



LOCATION

ILL. PROJ.: C66-3973
 A.I.P. PROJ.: 3-17-0069-B2
 LATITUDE: 40° 55' 47"
 LONGITUDE: 90° 37' 52"
 ELEVATION: 753.0' M.S.L.
 DATE: AUGUST 3, 2012



PLANS PREPARED BY:

HANSON
 Hanson Professional Services Inc.
 CIVIL ENGINEER
 Submitted by: *[Signature]* ENG'R
 Date Submitted: 8-13-2012
 Lics. Exp. Date: NOVEMBER 30, 2013

CITY OF MONMOUTH, ILLINOIS

Approved: *[Signature]* CITY MANAGER
 Date: 8-10-12

REVISION									
DATE									
MONMOUTH MUNICIPAL AIRPORT MONMOUTH, ILLINOIS									
IL. PROJ.: C66-3973 A.I.P. PROJ.: 3-17-0069-B2									
Hanson Proj. No. 1040130	Revision: G-001-CVR.dwg	Scale: NO SCALE	Date: 08/03/12	LAYOUT: MLH	DRAWN: MLH	REVIEWED: RAW	Date: 07/28/12	Date: 07/28/12	Date: 08/03/12
© Copyright Hanson Professional Services Inc. 2012 HANSON Professional Services Inc. 1626 South Sixth Street Springfield, Illinois 62703-2886 Ph: (217) 788-2450 Fax: (217) 788-2503 www.hanson-inc.com Offices Nationwide									
TREE CLEARING - RUNWAY END 2					COVER SHEET				
1									
1 of 4 sheets									

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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 CERTIFICATIONS

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.

AIRPORT SECURITY NOTE

THE PROJECT EXISTS OUTSIDE OF THE AIRPORT PROPER THEREFORE NO SECURITY MEASURES OTHER THAN IDENTIFYING CONTRACTOR VEHICLES AND EQUIPMENT WILL BE REQUIRED.

EROSION CONTROL

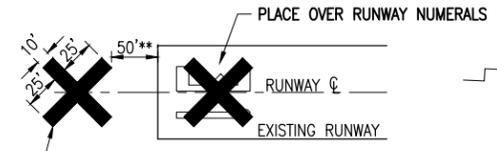
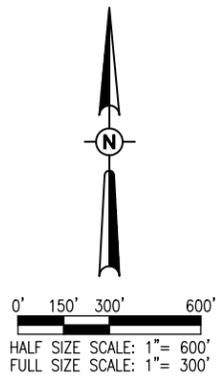
THIS PROJECT WILL NOT DISTURB MORE THAN 1 ACRE OF LAND, THEREFORE A NPDES PERMIT WILL NOT BE REQUIRED.

UTILITY NOTE

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND AGENCIES WHICH HAVE LINES OR CONDUITS IN THE PROPOSED WORK AREA. ALL LINES AND CONDUITS SHALL BE LOCATED AND IDENTIFIED FOR DEPTH BEFORE ANY EXCAVATION BEGINS. THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) TO ACCOMPLISH THE ABOVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ALL UNDERGROUND NON-JULIE UTILITIES LOCATED WITHIN THE PROPOSED CONSTRUCTION LIMITS. THESE UNDERGROUND IMPROVEMENTS WILL BE LOCATED AT THE CONTRACTOR'S OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

J.U.L.I.E. INFORMATION

COUNTY WARREN
 CITY MONMOUTH
 TOWNSHIP MONMOUTH
 SECTION NO. 20
 ADDRESS MONMOUTH MUNICIPAL AIRPORT
 1300 N. 11TH STREET
 MONMOUTH, ILLINOIS 61462



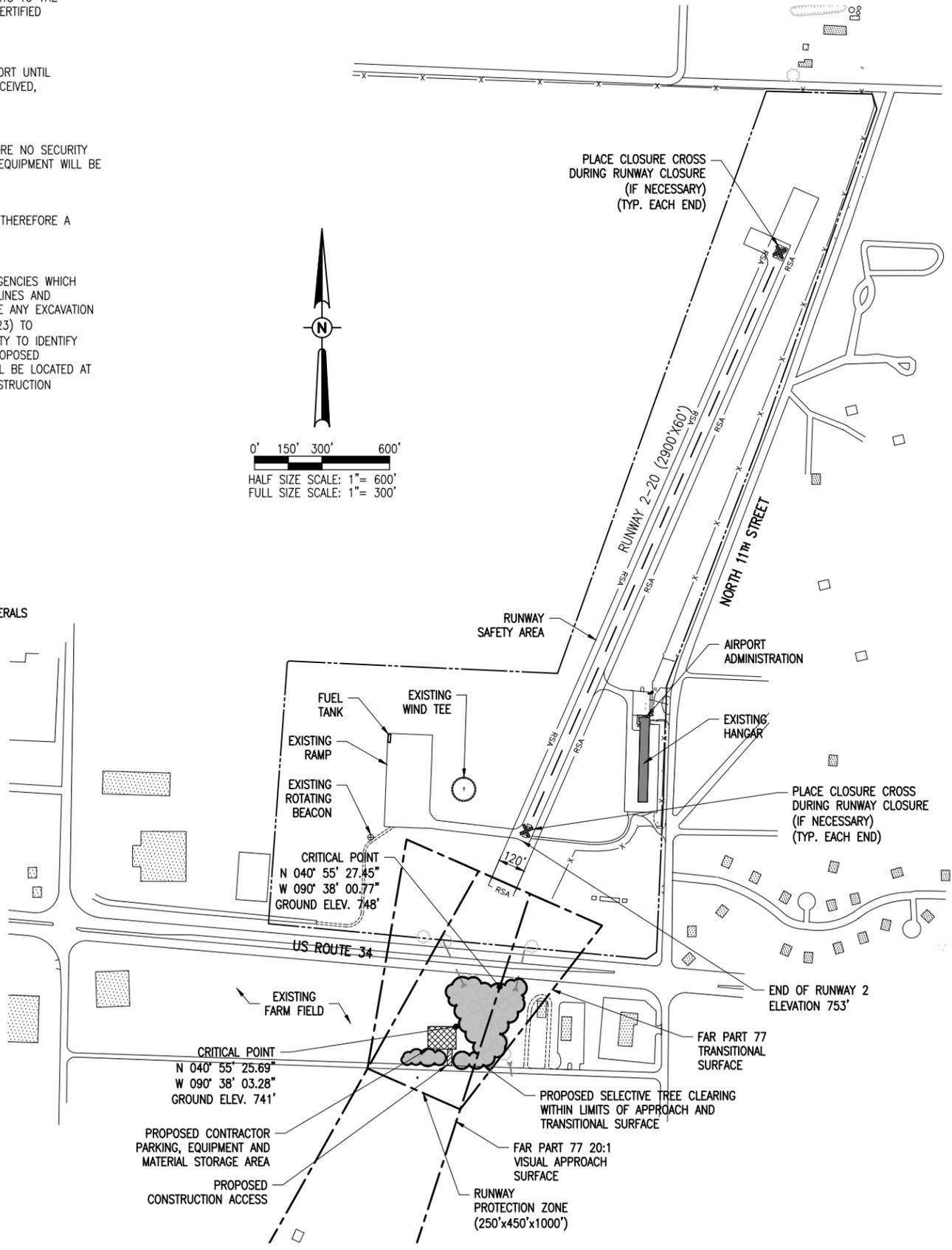
DETAIL OF CROSS FOR CLOSED RUNWAY

"NOT TO SCALE"

** PLACE CLOSURE CROSS OFF END OF RUNWAY IF DIRECTED OR IF PLACEMENT OVER NUMERAL CONFLICTS WITH WORK BEING PERFORMED.

LEGEND

- EXISTING IMPROVEMENTS
- EXISTING AIRPORT BUILDINGS
- EXISTING BUILDINGS
- PROPOSED WORK LIMITS
- PROPOSED HAUL ROUTE/ACCESS
- PROPOSED EQUIPMENT PARKING/MATERIAL STORAGE AREA
- EXISTING FENCE
- AIRPORT PROPERTY LINE



SCOPE OF WORK

THIS WORK SHALL CONSIST OF THE REMOVAL OF OBSTRUCTIONS (TREES) IN THE APPROACH TO RUNWAY END 2. THE TREES SHALL BE REMOVED BY CUTTING, BUT NO GRUBBING SHALL BE PERFORMED. THE WORK SHALL REQUIRE THE CUTTING OF TREES OF VARYING DIAMETER AND DISPOSAL OF ALL TREES AND DEBRIS OFF THE SITE. THE WORK ALSO INCLUDES INSTALLATION OF EROSION CONTROL MEASURES, CONSTRUCTION AND REMOVAL OF A HAUL ROUTE AND EQUIPMENT PARKING AREA, AND THE RESTORATION OF THE DISTURBED AREAS WITHIN THE PROJECT LIMITS.

PROPOSED SAFETY PLAN

ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR 150/5370-2, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION" APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN, OR AS MODIFIED BY THE AIRPORT MANAGEMENT AT THE PRE-CONSTRUCTION CONFERENCE OR DURING THE COURSE OF THE CONTRACT.

GENERAL - THE MONMOUTH MUNICIPAL AIRPORT IS COMPRISED OF ONE PAVED RUNWAY.

THIS PROJECT IS NOT ANTICIPATED TO REQUIRE THE CLOSURE OF RUNWAY 2-20. WHILE NOT ANTICIPATED, IF MEN OR EQUIPMENT ARE REQUIRED TO BE ELEVATED TO A POINT THAT EXCEEDS THE PLANE CREATED BY THE APPROACH SURFACES IDENTIFIED THIS SHEET, THE RUNWAY WILL REQUIRE CLOSURE. CLOSURE OF THE RUNWAY WILL REQUIRE THE CONTRACTOR TO COORDINATE WITH THE AIRPORT AND THE RESIDENT ENGINEER TO ENSURE A NOTICE TO AIRMEN (NOTAM) IS ISSUED BY THE AIRPORT, AND THAT AIRPORT TENANTS ARE NOTIFIED SO AS TO NOT ADVERSELY IMPACT PLANNED OPERATIONS. ALL WORK INCLUDED IN OPENING AND CLOSING THE RUNWAY WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR IS REQUIRED TO NOTIFY THE AIRPORT MANAGER, THROUGH THE RESIDENT ENGINEER, A MINIMUM OF 7 DAYS PRIOR TO THE START OF CONSTRUCTION. THIS WILL ALLOW THE AIRPORT MANAGER SUFFICIENT TIME TO ISSUE ALL NECESSARY NOTAMS. THE CONTRACTOR IS REQUIRED TO PROVIDE A MINIMUM OF 24 HOUR NOTICE TO THE AIRPORT MANAGER PRIOR TO CLOSING A RUNWAY.

THE AIRPORT MANAGEMENT, OR DESIGNATED REPRESENTATIVE, WILL ISSUE ALL NOTICES TO AIRMAN (NOTAM) RELATED TO OPENING AND CLOSING PAVEMENTS THROUGHOUT THE PROJECT.

CONTRACTOR RESPONSIBILITIES

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

THE CONTRACTOR IS REQUIRED TO LIMIT THE USE OF CONSTRUCTION EQUIPMENT ON ANY NEARBY PAVEMENTS. ONLY EQUIPMENT NEEDED TO COMPLETE THE SPECIFIC WORK ON THE PAVEMENT WILL BE PERMITTED. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING PAVEMENTS CAUSED BY HIS PERSONNEL OR EQUIPMENT.

IDENTIFICATION - THE CONTRACTORS VEHICLES AND EQUIPMENT SHALL BE PROPERLY MARKED WITH THREE (3') FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). DURING PERIODS OF LOW VISIBILITY, A YELLOW FLASHING LIGHT WILL ALSO BE REQUIRED. THE CONTRACTOR WILL 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 (122.80 MHz.) WITH THE AIRPORT UNICOM WHENEVER HIS PERSONNEL ARE WORKING WITHIN THE APPROACH TO RUNWAY 2. THIS WILL ALLOW THE CONTRACTOR TO RESPOND TO AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL. THIS RADIO SHALL NOT BE USED TO COORDINATE WITH THE RESIDENT ENGINEER OR OTHER CONSTRUCTION PERSONNEL FOR PURPOSES OF CONSTRUCTION OPERATIONS OR TREE IDENTIFICATION.

HAUL ROUTE AND EQUIPMENT PARKING/MATERIAL STORAGE AREA

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND EQUIPMENT PARKING/MATERIAL STORAGE AREA AS SHOWN ON THIS SHEET. THE PROPOSED PARKING/MATERIAL STORAGE AREA WILL BE NO GREATER THAN 75' X 100'. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND STAGING AREA 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 RESTORE THE HAUL ROUTE AND STAGING AREA TO ITS PRE-CONSTRUCTION STATE. RESTORATION OF THE HAUL ROUTE AND STAGING AREA WILL BE CONSIDERED INCIDENTAL TO ITEM AR15540, HAUL ROUTE, PER LUMP SUM, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

HEIGHT OF CONSTRUCTION EQUIPMENT

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE OFF-ROAD TREE REMOVAL EQUIPMENT.

REVISION	DATE

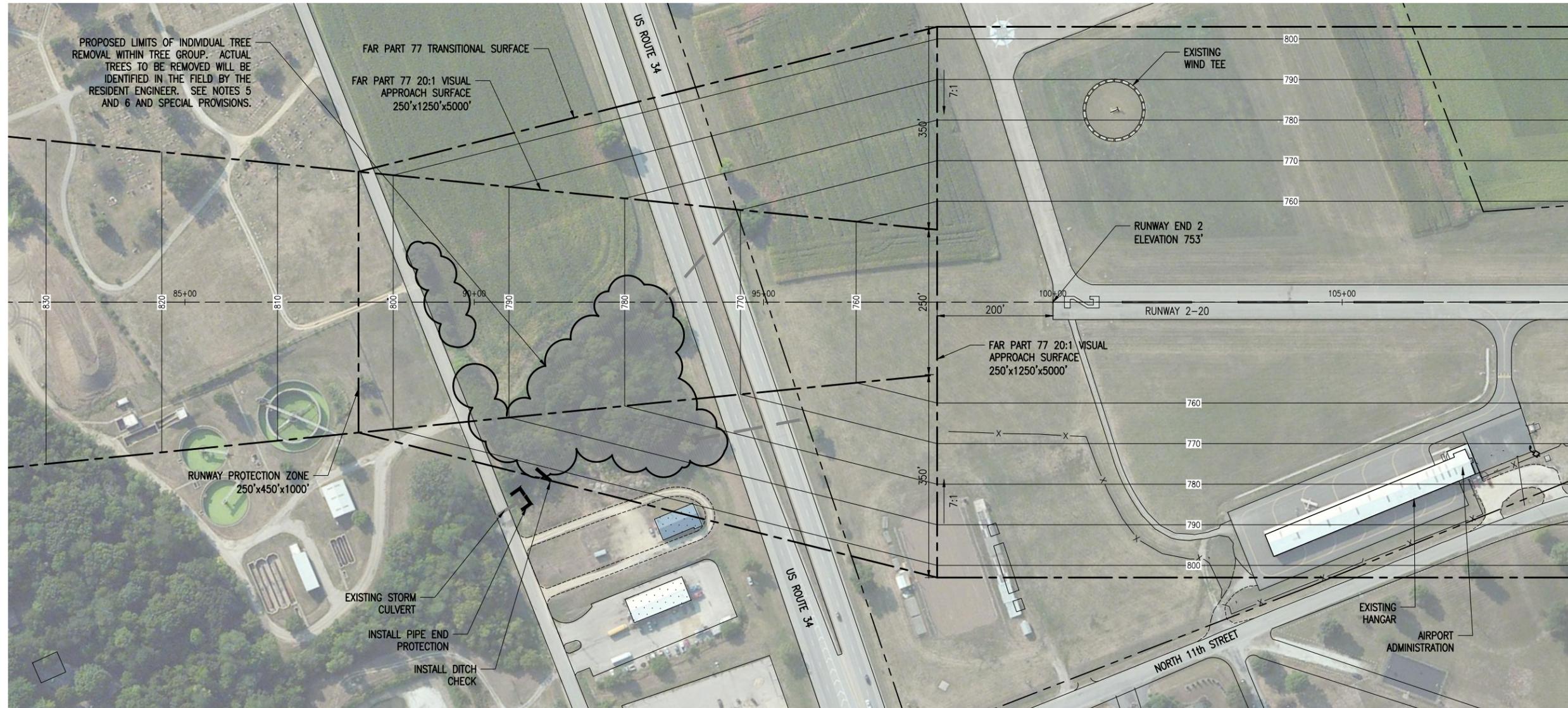
**MONMOUTH MUNICIPAL AIRPORT
 MONMOUTH, ILLINOIS**
 I.L. PROJ.: C66-3973
 A.I.P. PROJ.: 3-17-0069-B2

PROJECT NO.	DATE	SCALE	DRAWN	REVIEWED
10A0130	08/03/12	AS SHOWN	MLH	RAW

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 Professional Services Inc. 2012
 Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Ph: (217) 788-2450 Fax: (217) 788-2503
 www.hanson-inc.com
 Offices Nationwide

**TREE CLEARING -
 RUNWAY END 2**
SAFETY PLAN

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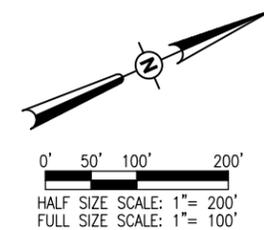


GENERAL NOTES:

1. THE CONTRACTOR SHALL COORDINATE HIS START OF WORK OPERATIONS IN ADVANCE WITH THE RESIDENT ENGINEER AND THE AIRPORT MANAGEMENT (CITY OF MONMOUTH). THE AIRPORT MANAGEMENT SHALL NOTIFY THE IMPACTED PROPERTY OWNERS THAT TREE CLEARING AND GROUND SURFACE RESTORATION (SHAPING, SEEDING, MULCHING, ETC.) WILL BE ACCOMPLISHED WITHIN THE LIMITS OF THE AVIGATION EASEMENT THAT HAS BEEN GRANTED OVER THEIR PROPERTY.
2. ALL TREES AND SPOIL MATERIALS RESULTING FROM THE CLEARING SITES SHALL BE DISPOSED OF OFF THE PROPERTY BY THE CONTRACTOR.
3. BURNING OF THE SPOIL MATERIAL ON THE AIRPORT SITE WILL NOT BE ALLOWED DUE TO THE PROXIMITY OF THE SITE WITH RESPECT TO THE RUNWAY CENTERLINE.
4. ALL COSTS ASSOCIATED WITH DISPOSING OF THE REMOVED TREES AND SPOIL MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BID PER RESPECTIVE PAY ITEM.
5. THE RESIDENT ENGINEER SHALL DETERMINE THROUGH USE OF SURVEY EQUIPMENT LOCATED ON THE RUNWAY END AND RADIO CONTACT WITH A MEMBER OF THE CONTACTOR'S CREW WHICH TREES SHALL BE REMOVED, BEGINNING WITH THE TREE OBSERVED TO PRESENT THE GREATEST PENETRATION TO THE SLOPED PLANE IDENTIFIED ABOVE AND PROGRESSIVELY DOWNWARD UNTIL THE QUANTITIES IDENTIFIED WITHIN THE CONTRACT ARE EXPENDED.
6. THE CONTRACTOR SHALL PROVIDE TWO RADIOS FOR USE ON THE PROJECT BY THEIR CREW AND THE RESIDENT ENGINEER. THE RADIOS USED FOR THIS COORDINATED EFFORT SHALL NOT BE WITHIN THE AVIATION BAND.
7. IN THE AREAS IN WHICH CLEARING IS PERFORMED, THE GROUND SURFACE SHALL - TO THE GREATEST EXTENT POSSIBLE - REMAIN UNDISTURBED. EACH TREE REMOVED SHALL BE REMOVED TO WITHIN 3-INCHES FROM GROUND LEVEL, WITH THE ADJACENT GRADES, STUMP, AND ROOTS LEFT INTACT.
8. THE RESIDENT ENGINEER SHALL MEASURE EACH TREE SELECTED FOR REMOVAL IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND SHALL OBSERVE THAT EACH TREE HAS BEEN SUFFICIENTLY REMOVED TO GRADE PRIOR TO APPROVAL FOR PAYMENT.
9. THE CLEARING OPERATIONS SHALL NOT IMPEDE OR OBSTRUCT ANY DRAINAGE IN THE AREA. ANY DISTURBANCE OF DRAINAGE PATHS RESULTING FROM THE CLEARING OPERATIONS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE CONTRACT BY THE CONTRACTOR.
10. ALL AREAS WITHIN THE TREE REMOVAL LIMITS DISTURBED BY THE PROJECT SHALL BE RESTORED BY SMOOTH GRADING (IF NECESSARY), AND TEMPORARILY SEEDING IN ACCORDANCE WITH ITEM 156. THIS WORK SHALL BE INCLUDED IN THE COST OF ITEM AR156500, TEMPORARY EROSION CONTROL, PER LUMP SUM, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. ALL TURF AREAS OUTSIDE OF THE TREE REMOVAL LIMITS DISTURBED BY THE PROJECT SHALL BE RESTORED BY SMOOTH GRADING, SEEDING, AND MULCHING IN ACCORDANCE WITH ITEMS 901 AND 908, RESPECTIVELY. THIS WORK SHALL NOT BE MEASURED DIRECTLY, BUT SHALL BE INCLUDED IN THE COST OF OTHER PROJECT ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
12. ALL AGRICULTURAL AREAS DISTURBED BY THE PROJECT SHALL BE CLEANED OF ALL DEBRIS AND LOOSENED TO A MINIMUM DEPTH OF 18-INCHES, AND WORKED TO ESTABLISH A SURFACE TEXTURE COMPARABLE TO THE ADJACENT UNDISTURBED AREAS, THE WORK SHALL BE INSPECTED BY THE PROPERTY OWNER AND APPROVED PRIOR TO THE ACCEPTANCE OF THE WORK BY THE RESIDENT ENGINEER.

LEGEND

	EXISTING IMPROVEMENTS
	EXISTING AIRPORT BUILDINGS
	EXISTING BUILDINGS
	PROPOSED WORK LIMITS
	FAR PART 77 APPROACH SURFACE
	EXISTING FENCE
	AIRPORT PROPERTY LINE



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DATE	REVISION

**MONMOUTH MUNICIPAL AIRPORT
MONMOUTH, ILLINOIS**

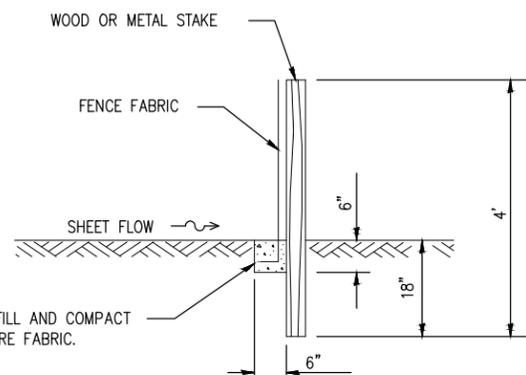
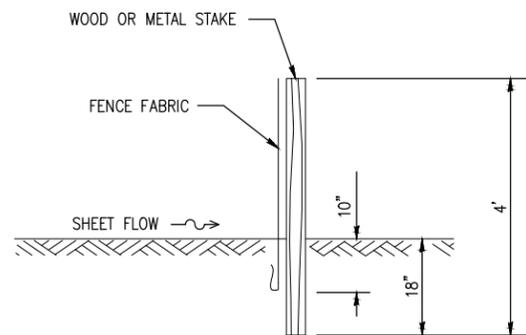
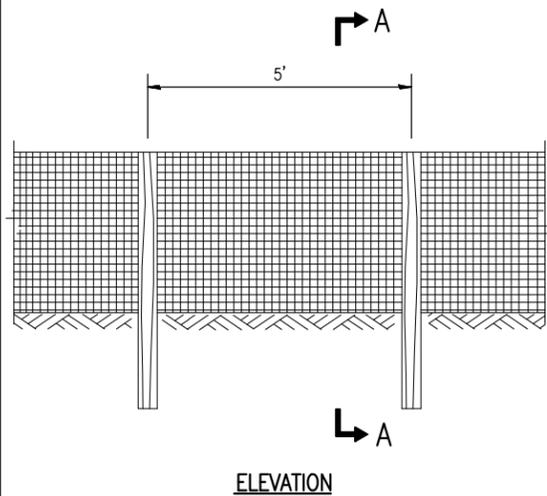
IL. PROJ.: C66-3973 A.I.P. PROJ.: 3-17-0069-B2

Hanson Proj. No. 10A0130	Filename C-121-CON.dwg	Scale NO SCALE	Date 08/03/12
LAYOUT	MLH	MLH	RAW
DRAWN	07/28/12	07/28/12	08/03/12
REVIEWED			

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 Hanson Professional Services Inc.
 1525 South Sixth Street
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 Ph: (217) 788-2450 Fax: (217) 788-2503
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**TREE CLEARING -
RUNWAY END 2**

**PROPOSED
CONSTRUCTION PLAN**



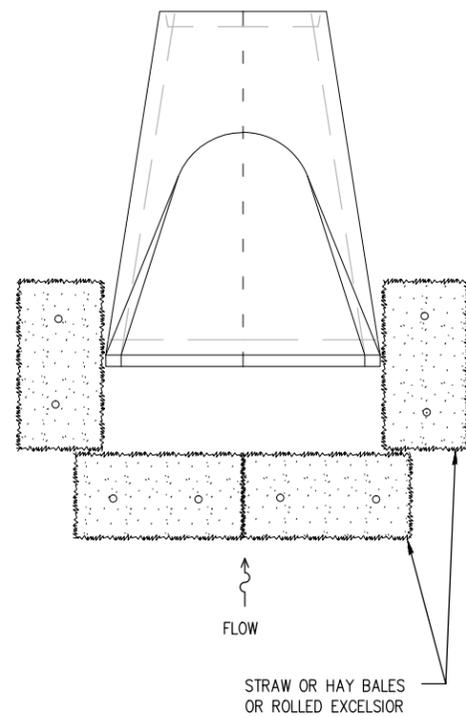
EXCAVATE, BACKFILL AND COMPACT TRENCH TO SECURE FABRIC.

SECTION A-A

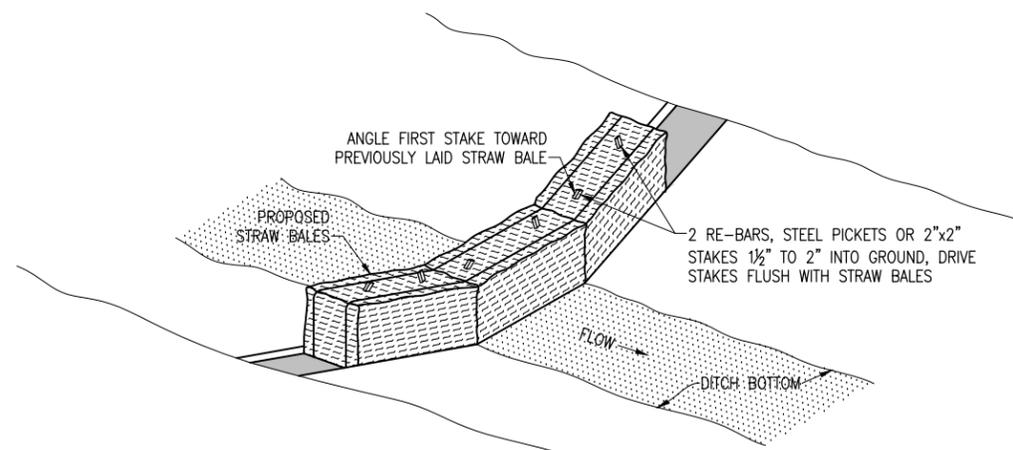
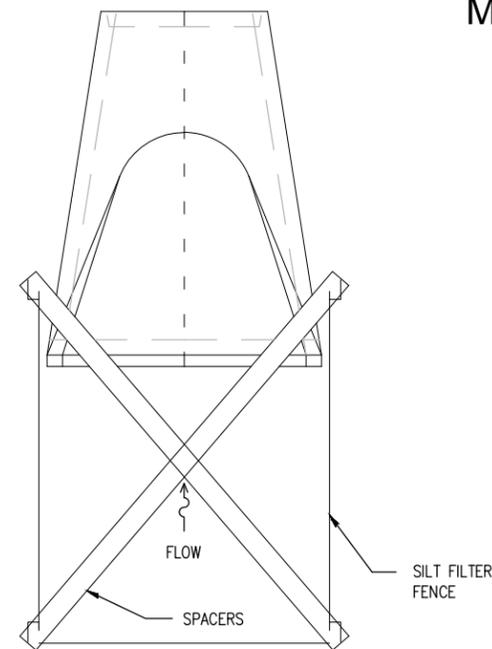
SILT FILTER FENCE AS A PERIMETER EROSION BARRIER

GENERAL NOTES

1. THE INSTALLATION DETAILS AND DIMENSIONS SHOWN FOR PERIMETER EROSION BARRIERS SHALL ALSO APPLY FOR INLET AND PIPE PROTECTION.

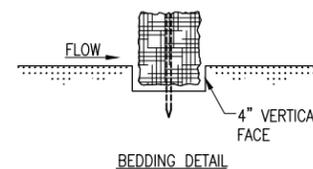


PIPE END PROTECTION



DITCH CHECK DETAIL

"NOT TO SCALE"



STRAW BALE INSTALLATION DETAIL

"NOT TO SCALE"

REVISION	DATE

**MONMOUTH MUNICIPAL AIRPORT
MONMOUTH, ILLINOIS**

IL. PROJ.: C66-3973 A.I.P. PROJ.: 3-17-0069-B2

Hanson Proj. No. 10A0130	07/28/12
Filename C-581-SWPPP.dwg	MLH
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Date 08/03/12	REVIEWED
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 Springfield, Illinois 62703-2886
 Ph: (217) 788-2450 Fax: (217) 788-2503
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**TREE CLEARING -
RUNWAY END 2**

**STORMWATER POLLUTION
PREVENTION DETAILS**