

CONSTRUCTION PLANS

FOR

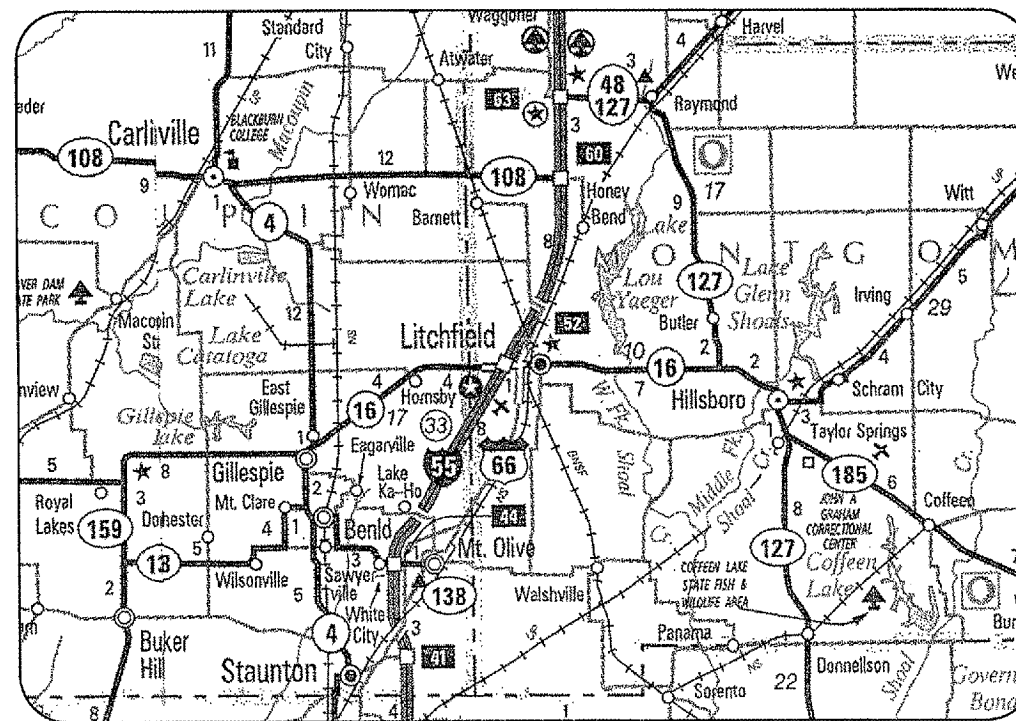
LITCHFIELD MUNICIPAL AIRPORT

LITCHFIELD, MONTGOMERY COUNTY, ILLINOIS

CONSTRUCT SITE WORK FOR A PROPOSED T-HANGAR

SCOPE OF WORK

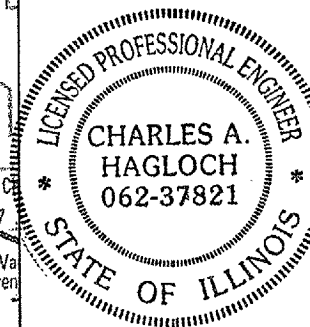
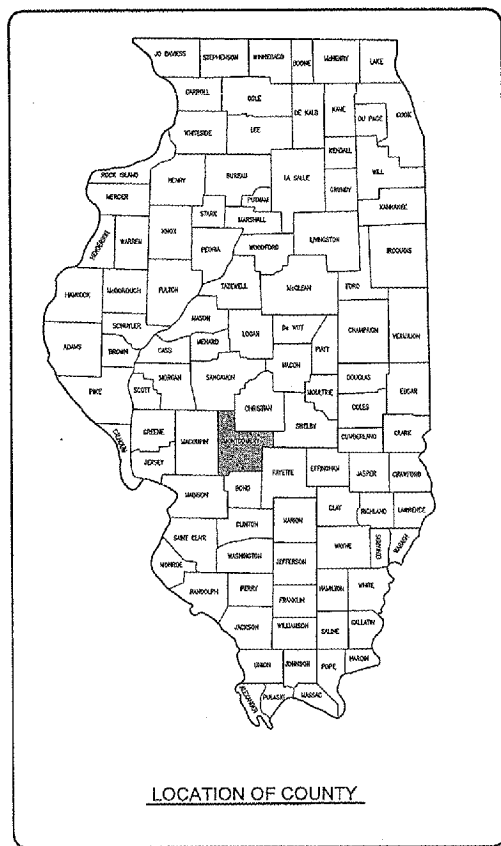
THIS PROJECT CONSISTS OF GRADING, DRAINAGE, AND PAVING THE SITE WORK FOR A FUTURE T-HANGAR. ASSOCIATED WORK INCLUDES MARKING, SEEDING, AND MULCHING.



LOCATION

ILL. PROJ.: 3LF-2774

LATITUDE: 39° 09' 59"
 LONGITUDE: 89° 40' 29"
 ELEVATION: 690.0' M.S.L.
 DATE: MAY 13, 2005



Submitted by: *Charles A. Hagloch* ENG'R
 Date Submitted: JUNE 14, 2005
 Lic. Exp. Date: NOV. 30, 2005

LITCHFIELD AIRPORT AUTHORITY

Approved: *[Signature]* CHAIRMAN
 Date: 5/10/05
 Approved: *[Signature]* SECRETARY
 Date: 5/10/2005

DATE	REVISION	LITCHFIELD MUNICIPAL AIRPORT LITCHFIELD, ILLINOIS	
ILL. Project No. 814-05THGD Filename R-001CVR.DWG Scale NOT TO SCALE Date 03/22/05		LITCHFIELD MUNICIPAL AIRPORT LITCHFIELD, ILLINOIS ILL. PROJ.: 3LF-2774	
LAYOUT	JMB		03/22/05
DRAWN	JMB		03/22/05
REVIEWED	CAF		xx/xx/xx
Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62705-2886 Offices Nationwide		T-HANGAR SITE DEVELOPMENT COVER SHEET	
1 1 of 23 sheets			

DATE	REVISION	BY

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR108158	1/C #8 5 KV UG CABLE IN UD	L.F.	234	
AR108656	3/C #6 600V UG CABLE IN UD	L.F.	345	
AR110941	ADJUST 2-WAY CONCRETE ENCASED DUCT	L.F.	20	
AR125410	MIL - STAKE MOUNTED	EACH	1	
AR125565	SPLICE CAN	EACH	2	
AR125961	RELOCATE STAKE MOUNTED LIGHT	EACH	2	
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150540	HAUL ROUTE	L.S.	1	
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	963	
AR152422	OFFSITE BORROW EXCAVATION	C.Y.	855	
AR156510	SILT FENCE	L.F.	608	
AR156511	DITCH CHECKS	EACH	2	
AR156513	SEPARATION FABRIC	S.Y.	3,240	
AR156520	INLET PROTECTION	EACH	2	
AR156540	RIPRAP	S.Y.	42	
AR208540	OVERSIZE AGGREGATE	TONS	1,440	
AR209510	CRUSHED AGGREGATE BASE COURSE	TONS	1,260	
AR401610	BITUMINOUS SURFACE COURSE	TONS	766	
AR602510	BITUMINOUS PRIME COAT	GAL	1,117	
AR603510	BITUMINOUS TACK COAT	GAL	479	
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	731	
AR701512	12" RCP, CLASS IV	L.F.	100	
AR701515	15" RCP, CLASS IV	L.F.	135	
AR701524	24" RCP, CLASS IV	L.F.	110	
AR751410	INLET	EACH	2	
AR751530	MANHOLE	EACH	1	
AR752624	CONCRETE HEADWALL 24"	EACH	1	
AR901510	SEEDING	ACRE	0.9	
AR908510	MULCHING	ACRE	0.9	
AR908520	EXCELSIOR BLANKET	S.Y.	504	

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES, INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	PROPOSED STORMWATER POLLUTION PREVENTION PLAN
5	EROSION CONTROL DETAILS
6	PROPOSED CONSTRUCTION PLAN
7	PROPOSED TYPICAL SECTION
8	PROPOSED DRAINAGE PLAN AND PROFILE
9	PROPOSED DRAINAGE DETAILS
10	PROPOSED STAKING PLAN
11	PROPOSED ELECTRICAL PLAN
12	PROPOSED MARKING PLAN
13	PROPOSED CROSS SECTIONS STA. 7+75 TO STA. 8+00
14	PROPOSED CROSS SECTIONS STA. 8+08 TO STA. 8+18
15	PROPOSED CROSS SECTIONS STA. 8+25 TO STA. 8+50
16	PROPOSED CROSS SECTIONS STA. 8+64.36 TO STA. 8+75
17	PROPOSED CROSS SECTIONS STA. 9+00 TO STA. 9+25
18	PROPOSED CROSS SECTIONS STA. 9+50 TO STA. 9+75
19	PROPOSED CROSS SECTIONS STA. 10+00 TO STA. 10+25
20	PROPOSED CROSS SECTIONS STA. 10+50 TO STA. 10+75
21	PROPOSED CROSS SECTIONS STA. 11+00 TO STA. 11+13.17
22	PROPOSED CROSS SECTIONS STA. 11+22.27 TO STA. 11+25
23	PROPOSED CROSS SECTIONS STA. 11+50 TO STA. 11+78.56

LITCHFIELD MUNICIPAL AIRPORT
LITCHFIELD, ILLINOIS

IL PROJ.: JLF-2774

HEL Project No. 814-05THGD	FILENAME R-002FLP.DWG	DATE 03/22/05
SCALE NOT TO SCALE	DRAWN JMB	REVIEWED CAH
DATE 03/22/05	JMB	03/22/05
	JMB	03/22/05
	CAH	xx/xx/xx



T-HANGAR
SITE DEVELOPMENT
SUMMARY OF QUANTITIES,
INDEX TO SHEETS

SCOPE OF WORK

THIS PROJECT CONSISTS OF THE SITE WORK ASSOCIATED WITH THE DEVELOPMENT OF NEW T-HANGARS. THIS PROJECT WILL INCLUDE GRADING, DRAINAGE, AND PAVING. ASSOCIATED WORK WILL INCLUDE MARKING, SEEDING, AND MULCHING.

AIRPORT SECURITY NOTE

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL CLOSE AND LOCK THE EXISTING GATE IN THE HAUL ROUTE AT THE END OF EACH WORKING DAY.

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.

HEIGHT OF CONSTRUCTION EQUIPMENT

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A DUMP TRUCK.

HAUL ROUTE AND VEHICLE PARKING

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND PARKING AREA SHOWN ON THIS SHEET. THE PROPOSED PARKING AREA WILL BE 200' X 200'. THE HAUL ROUTE WILL RUN ALONG THE WEST EDGE OF THE FARM FIELD FROM THE ABANDONED TOWNSHIP ROAD TO THE PROPOSED CONSTRUCTION SITE. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING 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 GRADE, FERTILIZE, SEED AND MULCH THE HAUL ROUTE AND PARKING AREA AS NEEDED TO RESTORE IT TO ITS ORIGINAL STATE. CONSTRUCTION AND RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE PAID FOR UNDER:

ITEM AR150540 HAUL ROUTE _____ 1 L.S.

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.

NO TRENCHES OR HOLES WILL REMAIN OPEN OVERNIGHT.

BARRICADES AND TRAFFIC CONES

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS DIRECTED BY THE AIRPORT MANAGER. THE BARRICADES WILL BE EQUIPPED WITH RED FLASHING OR RED STEADY BURN LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

150--ENGINEER'S FIELD OFFICE

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE FURNISHED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH ITEM AR150510 "ENGINEER'S FIELD OFFICE" AS STATED IN THE SPECIAL PROVISIONS.

THE PROPOSED ENGINEER'S FIELD OFFICE WILL CONSIST OF A CELLULAR TELEPHONE FOR THE EXCLUSIVE USE OF THE RESIDENT ENGINEER AND A LOCKING STORAGE BOX OF ADEQUATE SIZE FOR THE RESIDENT ENGINEER'S TESTING EQUIPMENT, NAMELY NUCLEAR DENSITY INSTRUMENTS.

THE LOCATION OF THE LOCK-BOX WILL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.

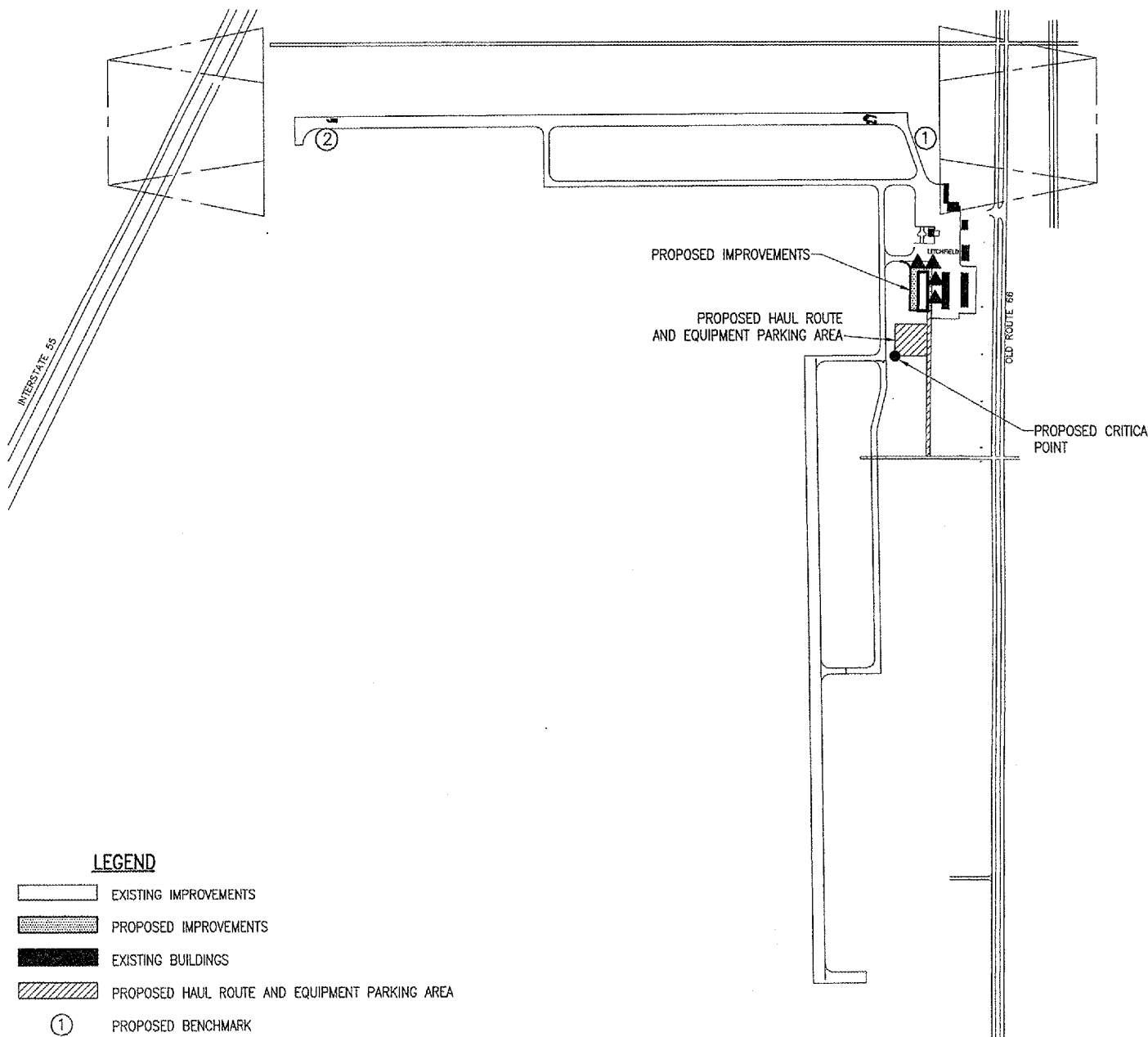
THE ENGINEERING FIRM WILL MAKE PAYMENT FOR ALL LONG DISTANCE TELEPHONE CALLS IN EXCESS OF ONE HUNDRED DOLLARS (\$100.00) PER MONTH.

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

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE 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 ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 1-800-892-0123.

BENCHMARK DATA					
NO.	NAME	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	LITPORT	NGS POINT, STEEL ROD IN 5" LOGO CAP, SOUTHEAST OF RUNWAY 9-27, EAST OF APRON TAXIWAY AT EAST END OF RUNWAY	910,877.6467	2,437,462.487	688.41
2	LITPORT AZ MK	NGS POINT, STEEL ROD IN 5" LOGO CAP, SOUTH OF RUNWAY 9-27 EAST OF ASPHALT TURN AROUND AT WEST END OF RUNWAY	910,853.9262	2,433,591.392	679.71



LEGEND

	EXISTING IMPROVEMENTS
	PROPOSED IMPROVEMENTS
	EXISTING BUILDINGS
	PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
	PROPOSED BENCHMARK
	PROPOSED BARRICADES OR TRAFFIC CONES
	PROPOSED CRITICAL POINT

J.U.L.I.E. INFORMATION

COUNTY _____ MONTGOMERY
 CITY _____ LITCHFIELD
 TOWNSHIP _____ SOUTH LITCHFIELD
 SECTION NO. _____ 5 & 8
 ADDRESS _____ LITCHFIELD MUNICIPAL AIRPORT
 P.O. BOX 381 U.S. ROUTE 66
 LITCHFIELD, ILLINOIS 62056

CRITICAL POINT DATA

LATITUDE: 39° 09' 49.80781"
 LONGITUDE: 89° 40' 13.89690"
 ELEVATION: 679.70 M.S.L.

PROPOSED SAFETY PLAN

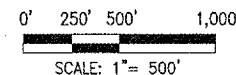
GENERAL - THE LITCHFIELD MUNICIPAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION WILL NOT NECESSITATE CLOSING EITHER RUNWAY.

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 (122.80 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE LITCHFIELD MUNICIPAL 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.

EROSION CONTROL

THIS PROJECT WILL DISTURB MORE THAN 1 ACRE OF LAND, THEREFORE A STORMWATER POLLUTION PREVENTION PLAN WILL BE INCLUDED IN THE PROPOSED CONSTRUCTION PLANS



L1029

DATE	REVISION	BY

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

IL PROJ.: 31F-2774

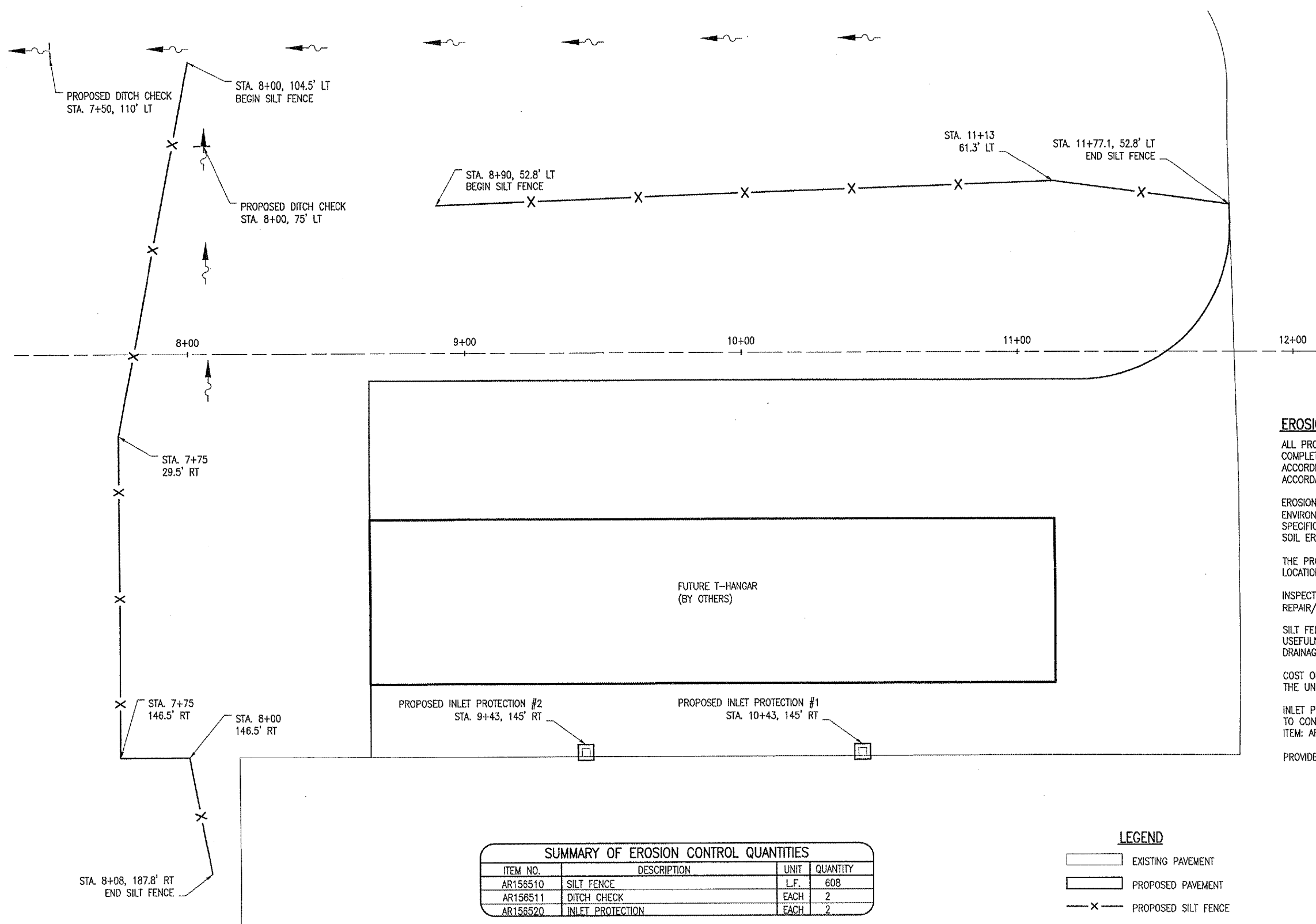
IEL Project No. 814-05THGD Filename: R-003SFY.DWG Scale: 1" = 500' Date: 3/31/05	3/31/05 JMB 3/31/05 xx/xx/xx
LAYOUT	JMB
DRAWN	JMB
REVIEWED	CAH



T-HANGAR
 SITE DEVELOPMENT

PROPOSED
 SAFETY
 PLAN

JUN 14, 2005 9:15 AM CAH
 I:\AIRPORTS\LITCHFIELD\814-05THGD\AIRPORT\ SHEETS\R-003SFY.DWG - Layout1



EROSION CONTROL NOTES

ALL PROPOSED EROSION CONTROL MEASURES SHALL BE COMPLETED AT THE LOCATIONS SHOWN ON THIS SHEET ACCORDING TO THE DETAILS ON THE FOLLOWING SHEET 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 INLET PROTECTION WILL BE PLACED AT THE LOCATIONS SHOWN ON THIS SHEET.

INSPECTION OF THE EROSION CONTROL SHALL BE FREQUENT AND REPAIR/REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

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

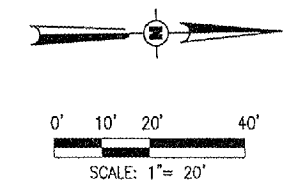
COST OF REMOVAL AND REPLACEMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM AR156510 SILT FENCE.

INLET PROTECTION IS TO INCLUDE ALL INCIDENTALS NECESSARY TO CONSTRUCT THESE ITEMS AND WILL BE PAID FOR UNDER ITEM: AR156520 INLET PROTECTION.

PROVIDE INLET PROTECTION FOR INLETS #1 AND #2.

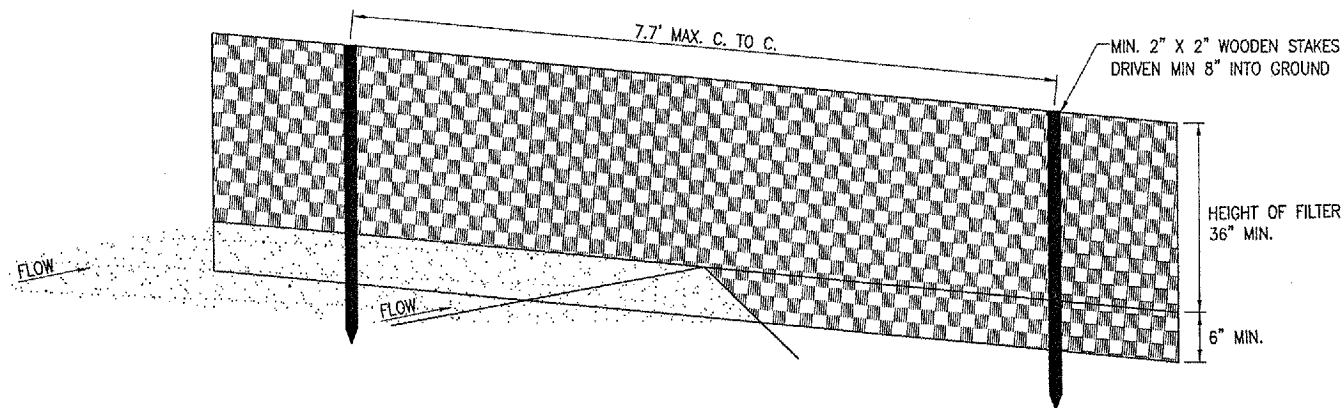
SUMMARY OF EROSION CONTROL QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR156510	SILT FENCE	L.F.	608
AR156511	DITCH CHECK	EACH	2
AR156520	INLET PROTECTION	EACH	2

- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED PAVEMENT
 - PROPOSED SILT FENCE
 - PROPOSED DITCH CHECK
 - PROPOSED INLET PROTECTION
 - DITCH FLOW LINE

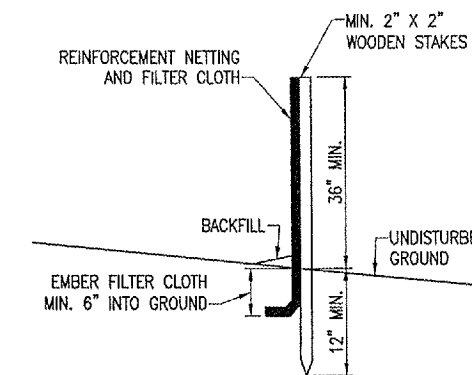


DATE	REVISION	BY	
LITCHFIELD MUNICIPAL AIRPORT LITCHFIELD, ILLINOIS			
IL PROJ.: 3LF-2774			
REL. Project No. 814-05THGD Filename: R-181SWP.DWG Scale: 1"=20' Date: 03/30/05	DRAWN: JMB REVIEWED: CAH	DATE: 03/30/05 DATE: 03/30/05	BY: xx/xx/xx
		Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2886 Offices Nationwide	
T-HANGAR SITE DEVELOPMENT	PROPOSED STORMWATER POLLUTION PREVENTION PLAN		
4			
4. of 23 sheets			

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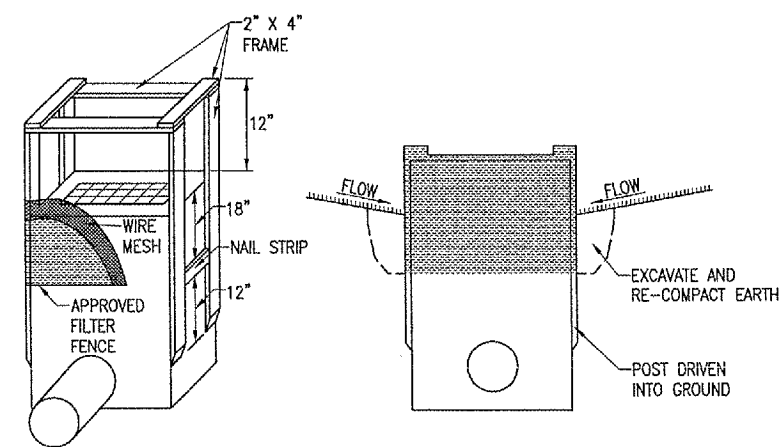


PERSPECTIVE VIEW

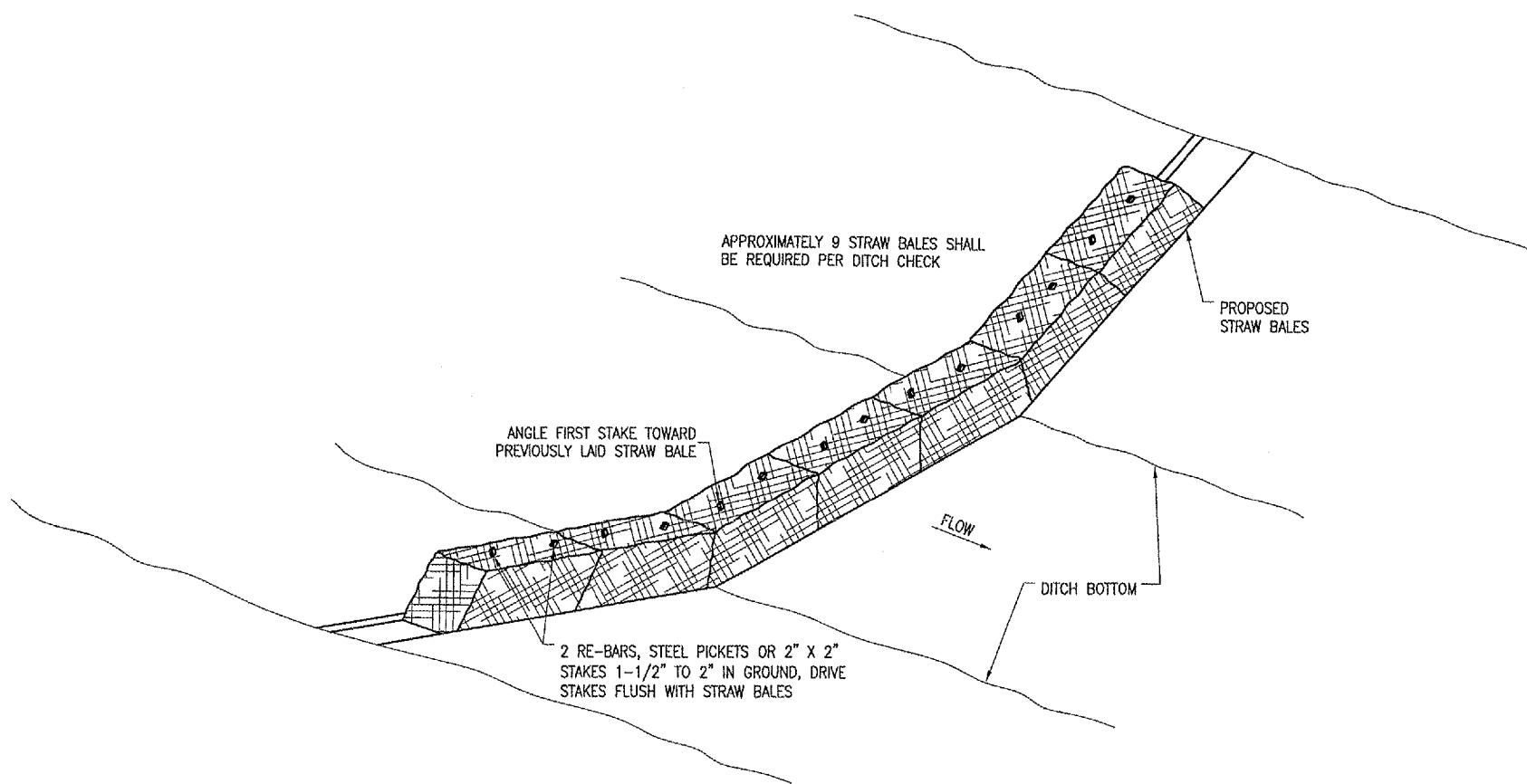


SECTION

FILTER FENCE DETAIL
"NOT TO SCALE"



INLET PROTECTION DETAIL
"NOT TO SCALE"



ANCHORING DETAIL

DITCH CHECK DETAIL
"NOT TO SCALE"

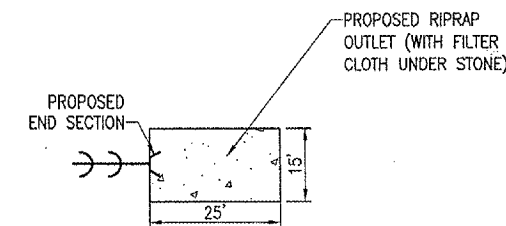
RIPRAP NOTES

THE PROPOSED RIPRAP WILL BE PLACED TO THE DIMENSIONS AS SHOWN ON THIS SHEET AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

THE BED OF THE RIPRAP WILL BE 12" IN DEPTH AND SHALL BE TRIMMED AND SHAPED TO CONFORM WITH THE FINISHED GRADES.

INSTALLATION OF FILTER FABRIC WILL BE REQUIRED UNDER THE STONE RIPRAP. THE FILTER FABRIC MATERIAL WILL BE INCLUDED AS PART OF THE RIPRAP INSTALLATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE RIPRAP WILL BE PAID FOR UNDER ITEM AR156540 RIPRAP _____ 42 S.Y.



RIPRAP DETAIL
"NOT TO SCALE"

REVISION	DATE	BY

LITCHFIELD MUNICIPAL AIRPORT
LITCHFIELD, ILLINOIS

IL PROJ.: 31F-2774

FILE PROJECT No. 814-05THGD	LAYOUT	JMB	03/28/05
FILENAME: R-581SWP.DWG	DRAWN	JMB	03/28/05
SCALE: NOT TO SCALE	REVIEWED	CAH	xx/xx/xx
DATE: 03/28/05			



Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

T-HANGAR
SITE DEVELOPMENT
EROSION CONTROL
DETAILS

209 - CRUSHED AGGREGATE BASE COURSE NOTES:

THE CRUSHED AGGREGATE BASE COURSE (209) SHALL BE PLACED IN ACCORDANCE WITH ITEM 209 "CRUSHED AGGREGATE BASE COURSE" AS STATED ON PAGE 45 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE BASE COURSE MATERIAL (CA-6) WILL BE USED TO CONSTRUCT A BASE COURSE FOR THE BITUMINOUS PAVEMENT, THE BASE COURSE WILL BE 6" IN DEPTH AND COMPACTED TO NOT LESS THAN 95 PERCENT DENSITY.

THE PROPOSED AGGREGATE FOR THE BASE COURSE MATERIAL SHALL MEET THE REQUIREMENTS OF GRADATION "B" IN TABLE 1 OF THE SUPPLEMENTAL SPECIFICATIONS.

209-3.2 EQUIPMENT. ADD THE FOLLOWING PARAGRAPHS TO THIS SECTION:

"PROVISIONS SHALL BE MADE BY THE CONTRACTOR FOR FURNISHING WATER AT THE PLANT AND AT THE SITE OF THE WORK BY EQUIPMENT OF AMPLE CAPACITY AND OF SUCH DESIGN AS TO ASSURE UNIFORM MIXING AND APPLICATION."

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER A PROCTOR CURVE SHOWING OPTIMUM DENSITY AND MOISTURE FOR THE SUPPLIED BASE COURSE MATERIAL.

THE COMPACTION CONTROL TEST TO BE USED SHALL BE FAA COMPACTION CONTROL TEST T-611 FOR AIRCRAFT WEIGHING LESS THAN 60,000 LBS.

209-4.1. DELETE THE FIFTH SENTENCE AND REPLACE IT WITH THE FOLLOWING:

"IF AT THE TIME THE AGGREGATES ARE WEIGHED THEY CONTAIN MORE THAN SIX (6) PERCENT OF ABSORBED AND FREE MOISTURE BY WEIGHT, A DEDUCTION FOR THE MOISTURE IN EXCESS OF THIS AMOUNT SHALL BE MADE IN DETERMINING THE PAY QUANTITY."

THE PROPOSED CRUSHED AGGREGATE BASE COURSE WILL BE PAID FOR UNDER ITEM:
AR209510 CRUSHED AGGREGATE BASE COURSE _____ 1,260 TONS.

AR401611 BITUMINOUS SURFACE COURSE - METHOD 1

THE BITUMINOUS SURFACE COURSE (401) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR401001 "BITUMINOUS SURFACE COURSE-METHOD 1" AS STATED ON PAGE 245 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM OF WORK SHALL CONSIST OF CONSTRUCTING 2 LIFTS OF BITUMINOUS SURFACE COURSE (2 INCH DEPTH EACH) ON THE PREPARED CRUSHED AGGREGATE BASE COURSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY CONTROL IN THE PRODUCTION AND CONSTRUCTION OF THE BITUMINOUS SURFACE COURSE.

PRIOR TO STARTING THE AGGREGATE BITUMINOUS SURFACE COURSE OPERATION, THE CONTRACTOR SHALL SUBMIT TO THE RESIDENT ENGINEER A DETAILED OUTLINE SHOWING AREAS AND ORDER OF PAVING WIDTHS OF PAVING LANES, AND REQUIRED OFFSETS FOR ELECTRONIC GRADE.

THE PROPOSED BITUMINOUS SURFACE COURSE WILL BE DESIGNED TO A MARSHALL DESIGN OF LESS THAN 60,000 POUNDS.

401-4.9 ADD THE FOLLOWING TO THIS SECTION:

WHEN HAND SPREADING IS PERMITTED, THE MIXTURE WILL BE DISTRIBUTED AND SPREAD USING HAND TOOLS. WHEN THE WORK IS COMPLETED, THE LAYER WILL HAVE THE REQUIRED THICKNESS AND CONFORM TO THE GRADE AND SURFACE CONTOUR SHOWN ON THE PLANS.

401-4.12 ADD THE FOLLOWING TO THIS PARAGRAPH:

ALL PAVEMENT EDGES (LONGITUDINAL, RADIUS, AND PAVEMENT ENDS) MUST BE LEFT IN PROPER ALIGNMENT AS SHOWN ON THE PLANS. THIS MAY BE ACCOMPLISHED BY THE TRIMMING METHOD OUTLINED ABOVE OR AT THE CONTRACTOR'S OPTION BY SAWING AFTER THE PAVING HAS BEEN COMPLETED. NO ADDITIONAL COMPENSATION WILL BE MADE IF THE SAWING METHOD IS USED.

602-BITUMINOUS PRIME COAT NOTES:

THE BITUMINOUS PRIME COAT (602) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR602 "BITUMINOUS PRIME COAT" AS STATED ON PAGE 58 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004

THE PROPOSED BITUMINOUS PRIME COAT SHALL BE PLACED ON THE PROPOSED AGGREGATE BASE COURSE PRIOR TO THE PLACEMENT OF THE FIRST LIFT OF PROPOSED BITUMINOUS SURFACE COURSE. FOR ESTIMATE PURPOSES, A RATE OF 0.35 GAL./S.Y. WAS USED. THE PROPOSED AGGREGATE BASE COURSE SHALL HAVE A PRIME COAT OF BITUMINOUS MATERIAL APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.

THE PROPOSED BITUMINOUS PRIME COAT WILL BE PAID FOR UNDER ITEM:
AR602510 BITUMINOUS PRIME COAT _____ 1,117 GAL.

603-BITUMINOUS TACK COAT NOTES:

THE BITUMINOUS TACK COAT (603) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR603 "BITUMINOUS TACK COAT" AS STATED ON PAGE 62 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE PROPOSED BITUMINOUS TACK COAT SHALL BE PLACED ON THE PROPOSED BITUMINOUS SURFACE COURSE PRIOR TO THE PLACEMENT OF THE NEXT LIFT OF PROPOSED BITUMINOUS SURFACE COURSE. FOR ESTIMATING PURPOSES A RATE OF 0.15 GAL./S.Y. WAS USED.

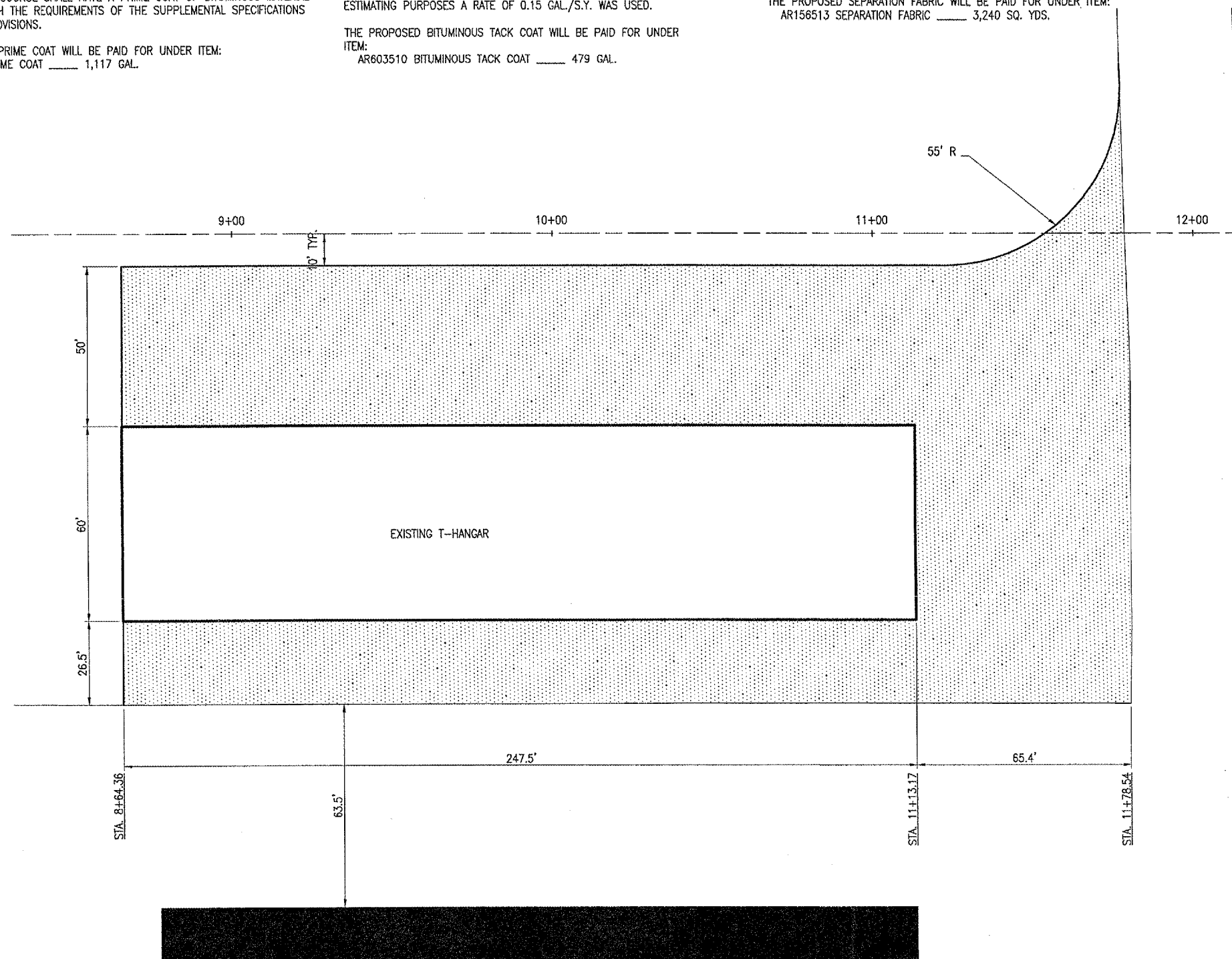
THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM:
AR603510 BITUMINOUS TACK COAT _____ 479 GAL.

156-SEPARATION FABRIC NOTES:

THE SEPARATION FABRIC (156) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR156 "SEPARATION FABRIC" AS STATED ON PAGE 180 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE PROPOSED SEPARATION FABRIC SHALL BE PLACED ON THE SUBGRADE PRIOR TO THE PLACEMENT OF THE PROPOSED OVERSIZE AGGREGATE. THE SEPARATION FABRIC SHALL BE PLACED TO THE WIDTHS SHOWN ON THE PROPOSED PAVEMENT TYPICAL SECTION.

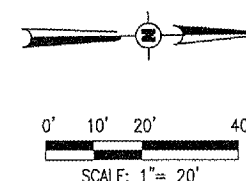
THE PROPOSED SEPARATION FABRIC WILL BE PAID FOR UNDER ITEM:
AR156513 SEPARATION FABRIC _____ 3,240 SQ. YDS.



PAVING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR156513	SEPARATION FABRIC	S.Y.	3,240
AR208540	OVERSIZE AGGREGATE	TONS	1,440
AR209510	CRUSHED AGGREGATE BASE COURSE	TONS	1,260
AR401610	BITUMINOUS SURFACE COURSE	TONS	766
AR602510	BITUMINOUS PRIME COAT	GAL.	1,117
AR603510	BITUMINOUS TACK COAT	GAL.	479

LEGEND

- EXISTING PAVEMENT
- PROPOSED IMPROVEMENTS



DATE	REVISION	BY

LITCHFIELD MUNICIPAL AIRPORT
LITCHFIELD, ILLINOIS

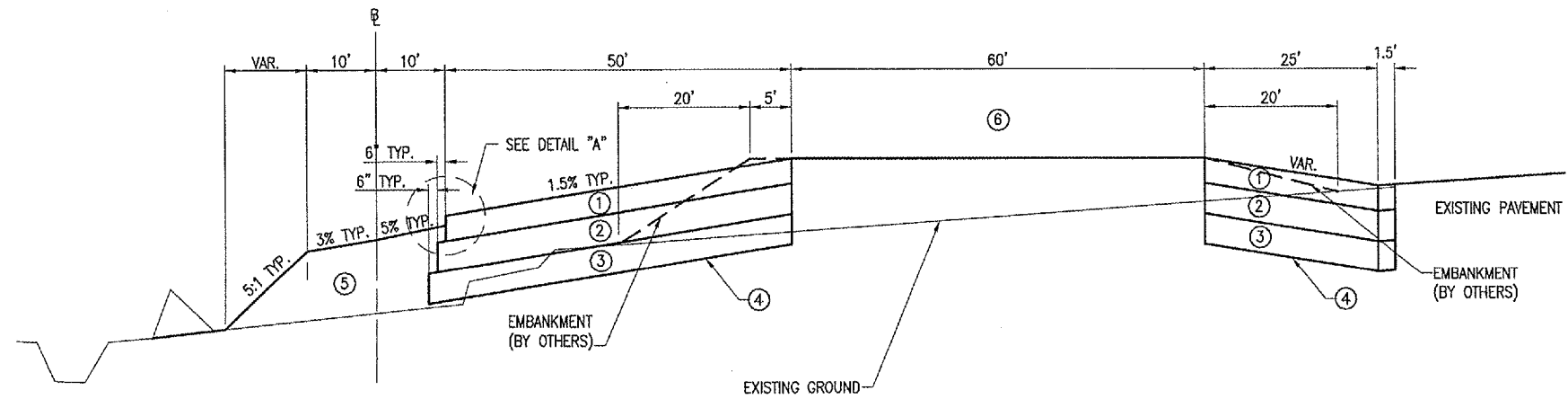
IL PROJ.: 31F-2774

FILE PROJECT No. 814-05THGD	FILENAME R-121CON.DWG	SCALE 1"=20'	DATE 03/22/05
LAYOUT	JMB	JMB	03/22/05
DRAWN	JMB	CAH	xx/xx/xx
REVIEWED	CAH		

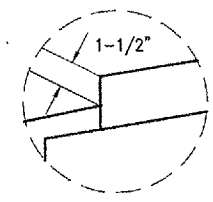
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62706-2886
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T-HANGAR
SITE DEVELOPMENT
PROPOSED
CONSTRUCTION
PLAN

JUN 14, 2005 9:16 AM CAH I:\AIRPORTS\LITCHFIELD\814-05THGD\AIRPORT\ SHEETS\R-121CON.DWG - Layout



TYPICAL SECTION
"NOT TO SCALE"



DETAIL "A"
"NOT TO SCALE"

LEGEND FOR TYPICAL SECTION

- ① 4" BITUMINOUS SURFACE COURSE (2 - 2" LIFTS)
- ② 6" CRUSHED AGGREGATE BASE COURSE
- ③ 8" OVERSIZED AGGREGATE (208)
- ④ SEPARATION FABRIC
- ⑤ PROPOSED EXCAVATION AND EMBANKMENT
- ⑥ EXISTING T-HANGAR

DATE	REVISION	BY

LITCHFIELD MUNICIPAL AIRPORT
LITCHFIELD, ILLINOIS

IL PROJ. 31F-2774

Proj. No. 814-05THGD	
Drawn R-521CON.DWG	
Scale NOT TO SCALE	
Date 03/22/05	
LAYOUT JMB	03/22/05
DRAWN JMB	03/22/05
REVIEWED CAH	xx/xx/xx

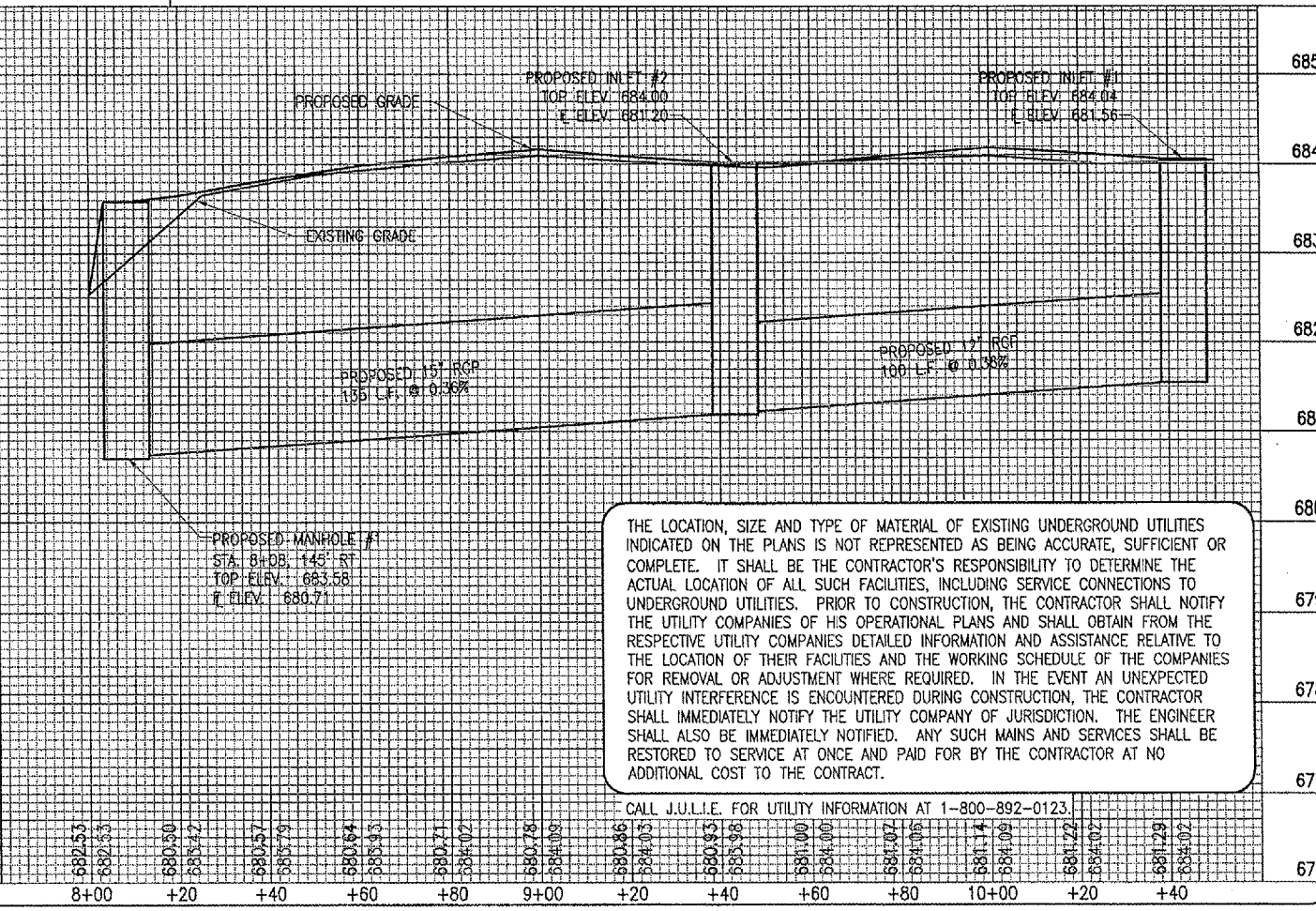
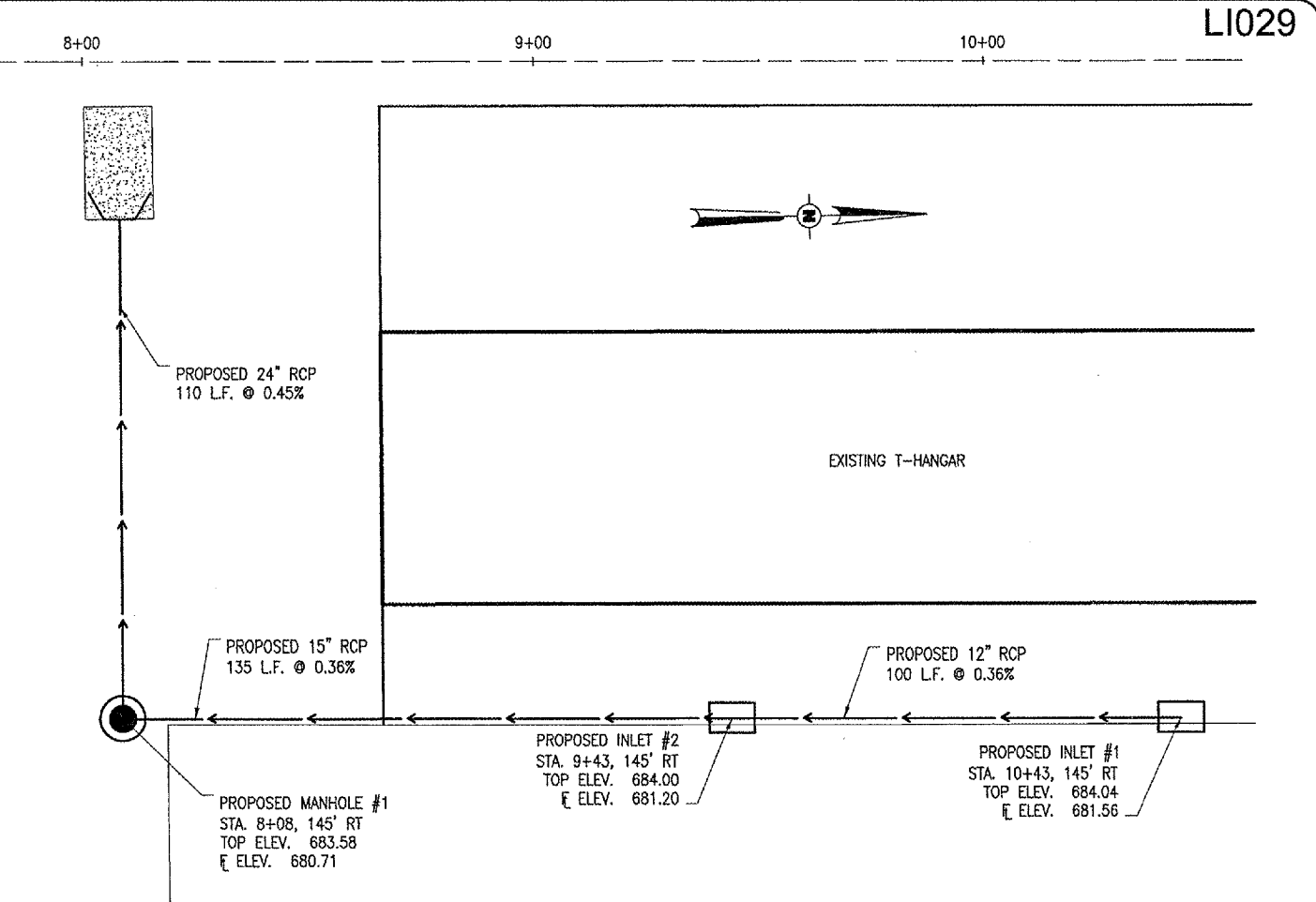
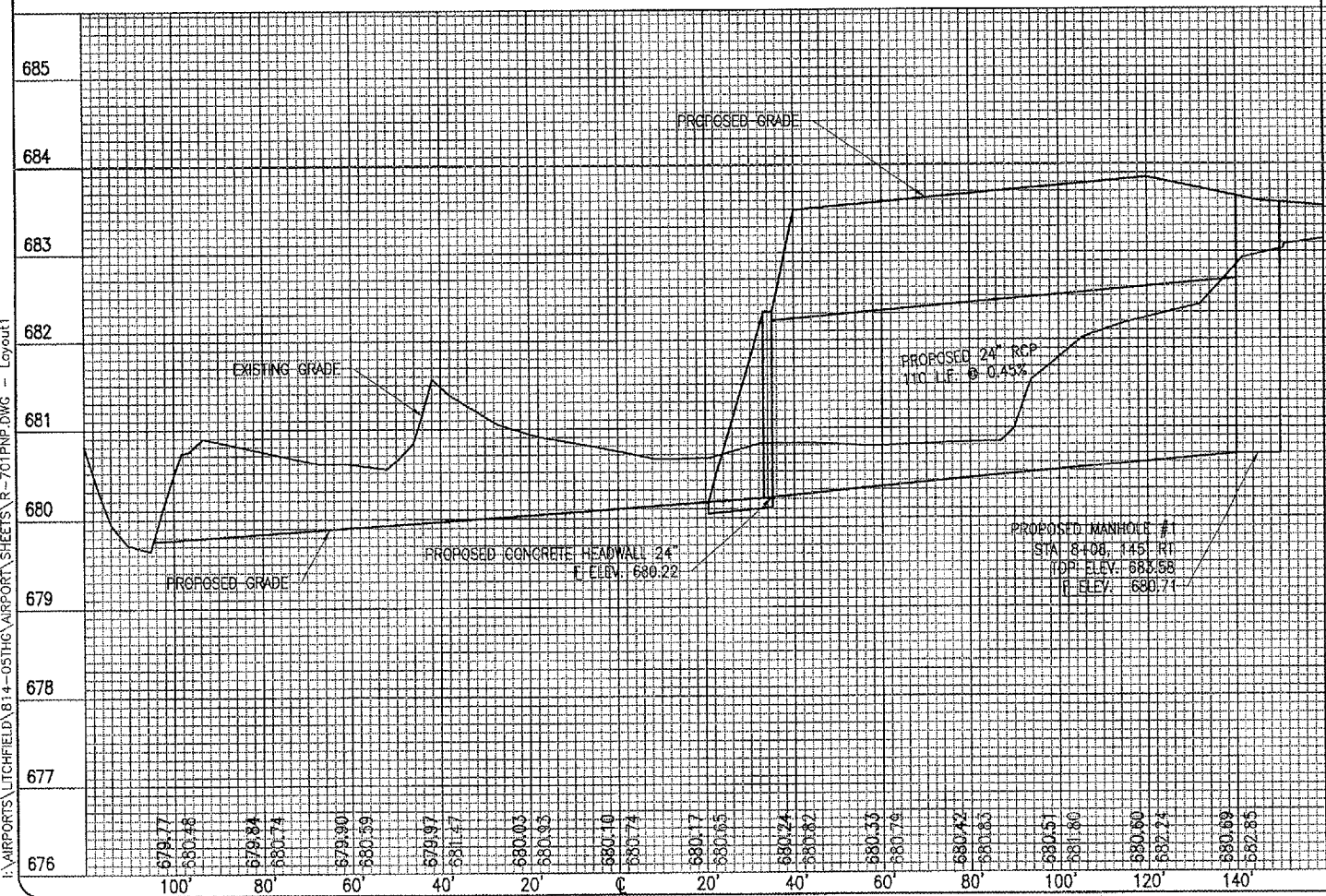
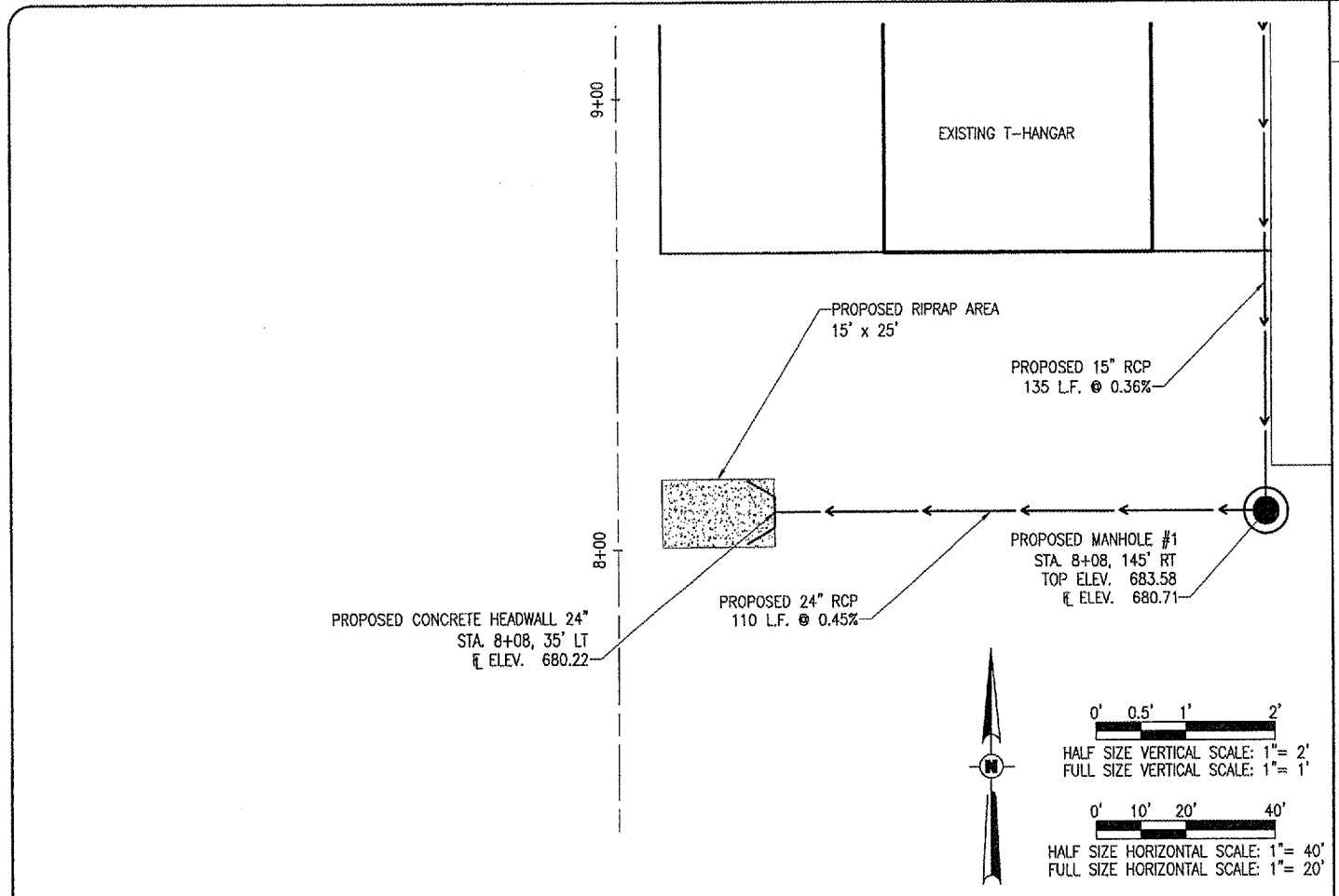


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T-HANGAR
SITE DEVELOPMENT

PROPOSED
TYPICAL
SECTION

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 I:\AIRPORTS\LITCHFIELD\814-051HG(AIRPORT)SHEETS\R-701PNP.DWG - Layout1



THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE 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 ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 1-800-892-0123.

LI029

DATE	REVISION	BY

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

ILL. PROJ. 31F-2774

REL. Project No. 814-051HG0	
Filename R-701PNP.DWG	
Scale HORIZ. 20' VERT. 1'	
Date 03/25/05	
LAYOUT JMB 03/25/05	
DRAWN JMB 03/25/05	
REVIEWED CAH ?	



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T-HANGAR
 SITE DEVELOPMENT


PROPOSED DRAINAGE
 PLAN & PROFILE

DATE	REVISION

LITCHFIELD MUNICIPAL AIRPORT
LITCHFIELD, ILLINOIS

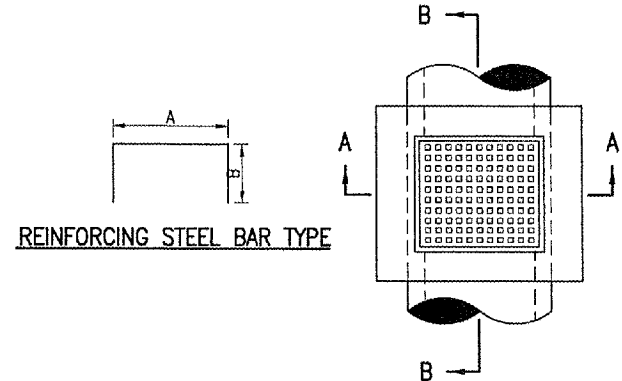
IL PROJ.: 31F-2774

Project No. 814-05THD	Drawn R-531DRN.DWG	Date 03/28/05
Scale NOT TO SCALE	Drawn JMB	Reviewed JMB
Date 03/28/05	Drawn JMB	Reviewed CAH
LAYOUT	JMB	03/28/05
DRAWN	JMB	03/28/05
REVIEWED	CAH	xx/xx/xx



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T-HANGAR
SITE DEVELOPMENT
PROPOSED
DRAINAGE
DETAILS



TYPE	QUANTITY PER INLET	DIMENSIONS		SIZE	APPROX. WT. OF BARS IN INLET
		A	B		
A	2	3'-4"	2'-4"	#5	16.7

INLET NOTES

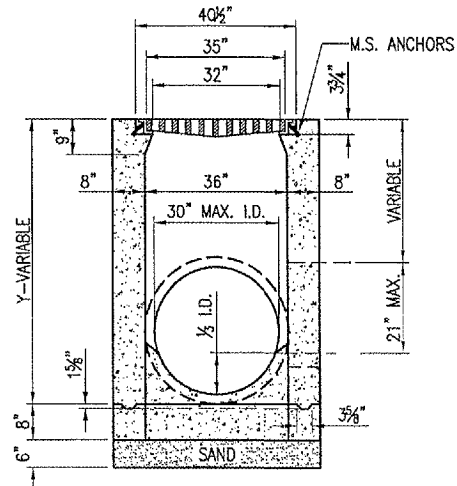
INLET TO BE CONSTRUCTED OF STRUCTURAL P.C. CONCRETE. THE CONTRACT UNIT PRICE PER INLET SHALL INCLUDE THE FRAME, GRATE AND STEPS IN PLACE AND COMPLETE PER UNIT.

1/2" CHAMFER TO BE USED ON ALL EXPOSED CORNERS OF INLETS. BARS TO BE INSTALLED 2" FROM FACE OF WALLS.

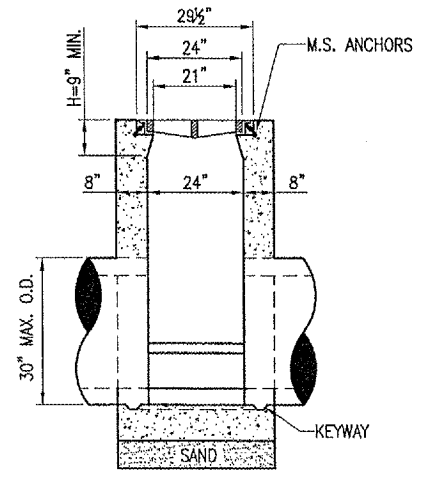
THE FRAME AND GRATE SHALL BE NEENAH R-3475-E, DEETER 2425-E.

"H" SHALL BE EQUAL TO THE PROPOSED PAVEMENT THICKNESS AND NOT LESS THAN THE ATTACHED MINIMUMS. TYPE A _____ 9" MINIMUM.

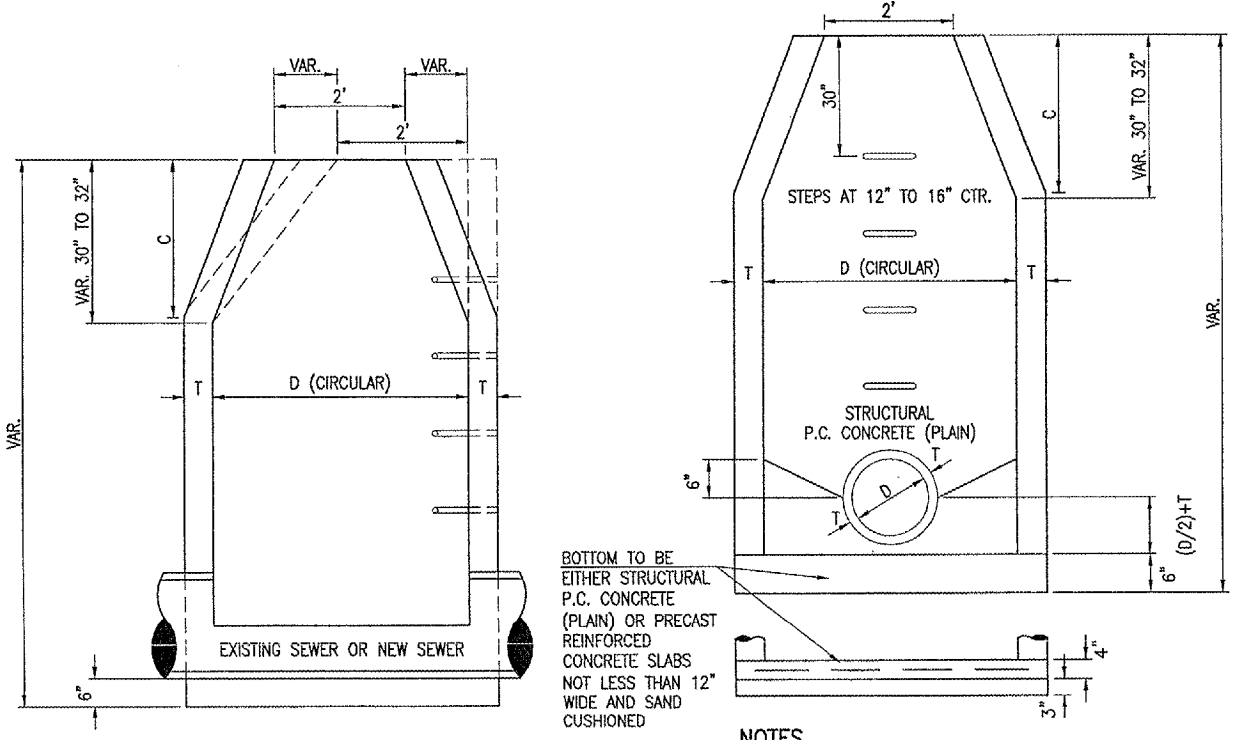
INLET STEPS SHALL BE NEENAH R-1980-1. 12" TO 15" C.C. STEPS TO BE INSTALLED WHEN Y IS GREATER THAN 5'. THE COST OF THE STEPS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EACH INLET.



SECTION A-A



SECTION B-B



BOTTOM TO BE EITHER STRUCTURAL P.C. CONCRETE (PLAIN) OR PRECAST REINFORCED CONCRETE SLABS NOT LESS THAN 12" WIDE AND SAND CUSHIONED

- NOTES**
- CAST IRON STEPS SHALL BE NEENAH R-1980-1, DEETER 16/3, EAST JORDAN 8502 OR EQUAL.
 - THE CONTRACT UNIT PRICE FOR MANHOLE HOLE TYPE A, SHALL INCLUDE THE FRAME AND LID.
 - THE CONE OF THE MANHOLE SHALL BE CONSTRUCTED AS SHOWN BY THE DOTTED LINES.

ALT. MATERIAL FOR WALLS	D	C	T
PRECAST REINFORCED CONC. RINGS	4'	2'-6"	5"
MONOLITHIC CONCRETE	4'	2'-6"	6"

MANHOLE TYPE A
NOT TO SCALE

SEEDING DATA

THE GRADING LIMITS ARE SHOWN ON THE STAKING PLAN SHEETS BY A HEAVY DASHED LINE (_ _ _ _). ALL AREAS WITHIN THESE LIMITS, EXCEPT THE PROPOSED PAVEMENT, SHALL BE LIMED, FERTILIZED AND SEEDED IN ACCORDANCE WITH THE FOLLOWING FORMULA AND RATES OF APPLICATION.

LIME (TONS PER ACRE)	2
FERTILIZER (MINIMUM POUNDS OF AVAILABLE PLANT FOOD PER ACRE)	
N	90
P2O5	350
K2O	240
TOTAL	680

SEEDING (MINIMUM POUNDS OF PURE LIVE SEED PER ACRE)

ALTA FESCUE	80
PERENNIAL RYEGRASS	30
CREeping RED FESCUE	20
SPRING OATS	48
AREA TO BE SEEDED	0.9 ACRES
DATE SEEDING COMPLETED	

MULCHING DATA

ALL EARTHEN AREAS WITHIN THE GRADING LIMITS WILL BE MULCHED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS AT THE RATE OF 2 TONS PER ACRE (STRAW) AT THE RATE OF 1.25 TONS PER ACRE (HYDROMULCH). AREA TO BE MULCHED 0.9 ACRES DATE MULCHING COMPLETED

EXCELSIOR BLANKET NOTES

AN EROSION CONTROL MATERIAL (EXCELSIOR BLANKET) WILL BE INSTALLED AT THE LOCATIONS SHOWN ON THIS SHEET AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM AR908520 "EXCELSIOR BLANKET" 504 S.Y.

152-EXCAVATION AND EMBANKMENT NOTES:

THE PROPOSED EMBANKMENT SHALL BE PLACED IN ACCORDANCE WITH ITEM 152 "EXCAVATION AND EMBANKMENT" AS STATED ON PAGE 25 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004

THE EARTH SUBGRADE WILL BE FIRST ROUGH CUT TO THE SPECIFIED ELEVATIONS, THE ELEVATIONS SHOWN ON THE STAKING PLAN ARE FOR FINISHED PAVEMENT. SUBGRADE ELEVATIONS WILL BE THE GRADE SHOWN MINUS THE PAVEMENT THICKNESS (INCLUDING BASE).

MATERIAL TO BE USED FOR SHOULDERING WILL BE STORED OUTSIDE OF THE PROPOSED PAVEMENT AREA AND WITHIN THE GRADING LIMITS.

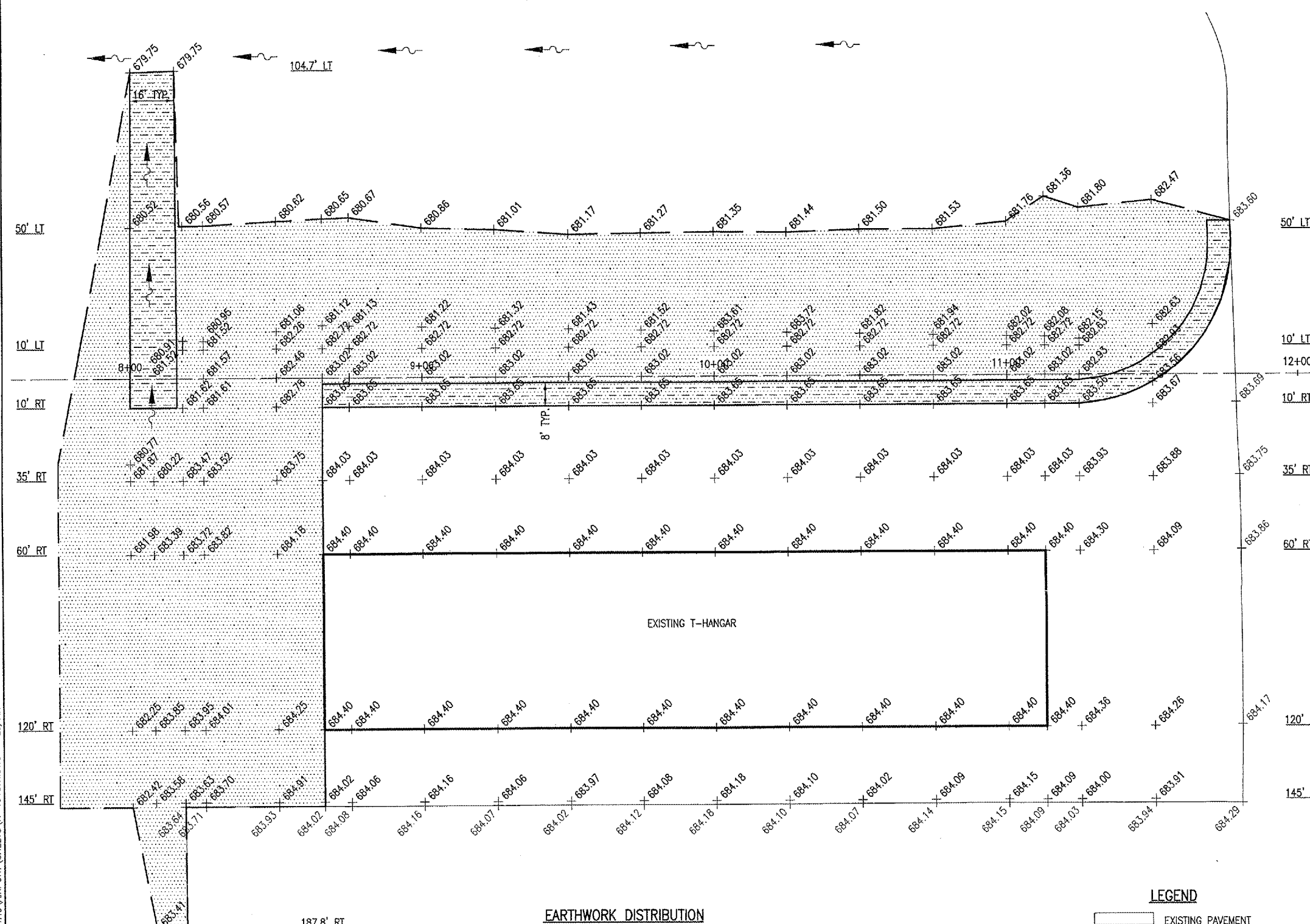
THE MATERIAL TO BE USED FOR THE SHOULDERING WILL BE TOPSOIL OBTAINED FROM THE ON SITE UNCLASSIFIED EXCAVATION.

THE EXCAVATED AREAS WILL BE COMPACTED IN ACCORDANCE WITH PROCEDURES FOR AIRCRAFT WEIGHING LESS THAN 60,000 POUNDS.

PLAN QUANTITIES ARE BASED ON THE PROBABLE TYPICAL SECTION SHOWN IN THE PROPOSED CONSTRUCTION PLANS AND CROSS SECTIONS. THE T-HANGAR BUILDING IS ANTICIPATED TO BE CONSTRUCTED PRIOR TO THIS WORK. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE EXISTING CONDITIONS PRIOR TO BEGINNING WORK ON THESE PAY ITEMS.

THE PROPOSED EXCAVATION AND EMBANKMENT WILL BE PAID FOR UNDER ITEMS:

- AR152410 UNCLASSIFIED EXCAVATION 963 C.Y.
- AR152442 OFFSITE BORROW EXCAVATION 855 C.Y.

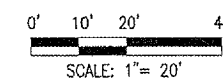


EARTHWORK DISTRIBUTION

- FILL - 1,398 C.Y.
- SHRINKAGE LOSS (30%) - 420 C.Y.
- TOTAL FILL - 1,818 C.Y.
- CUT - 963 C.Y.
- OFFSITE BORROW - 855 C.Y.

LEGEND

- EXISTING PAVEMENT
- PROPOSED IMPROVEMENTS
- PROPOSED GRADING LIMITS
- PROPOSED EXCESIOR BLANKET
- + 684.00 EXISTING GRADE
- + 684.00 PROPOSED GRADE



DATE	REVISION	BY

LITCHFIELD MUNICIPAL AIRPORT
LITCHFIELD, ILLINOIS

IL PROJ.: 31F-2774

HEI Project No. 814-05THGD	DATE 03/30/05
File Name: R-191STK.DWG	DATE 03/30/05
Scale: 1"=20'	DATE 03/30/05
LAYOUT JMB 03/30/05	REVIEWED CAH xx/xx/xx
DRAWN JMB 03/30/05	

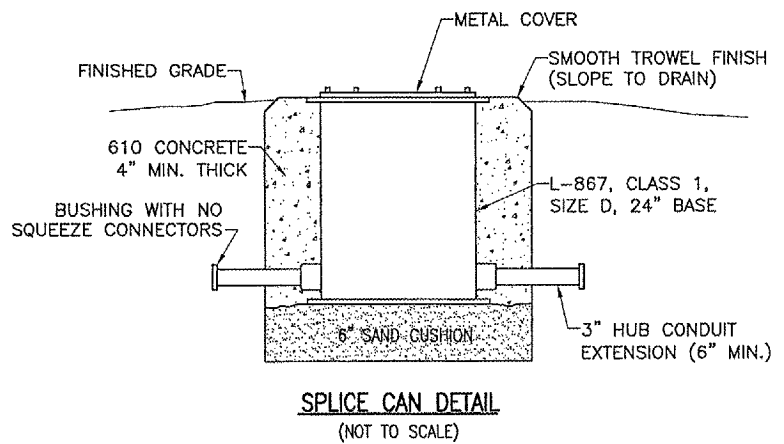


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T-HANGAR
SITE DEVELOPMENT
PROPOSED
STAKING
PLAN

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I:\AIRPORTS\LITCHFIELD\B14-05THG\AIRPORT\ SHEETS\R-191STK.DWG - Layout1

SUMMARY OF ELECTRICAL QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR108158	1/C #8 5 KV UG CABLE IN UD	L.F.	234
AR108656	3/C #6 600V UG CABLE IN UD	L.F.	345
AR110941	ADJUST 2-WAY CONCRETE ENCASED DUCT	L.F.	20
AR125410	MIL-STAKE MOUNTED	EACH	1
AR125565	SPLICE CAN	EACH	2
AR125961	RELOCATE STAKE MOUNTED LIGHT	EACH	2



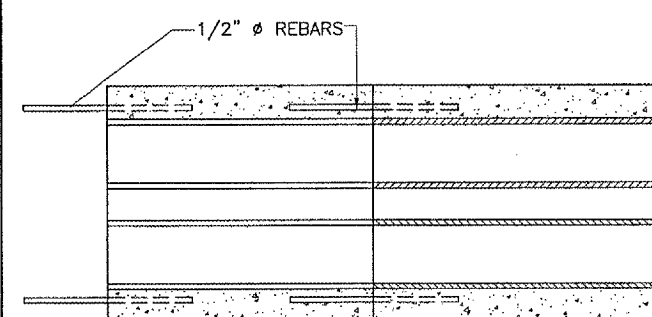
SPLICE CAN NOTES

THE TWO PROPOSED SPLICE CANS WILL BE LOCATED AS SHOWN ON THIS SHEET.

THE TWO PROPOSED SPLICE CANS WILL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.

THE TWO PROPOSED SPLICE CANS WILL BE PAID FOR UNDER:

AR125565 "SPLICE CAN" _ _ _ 2 EACH.



PROPOSED DUCT EXTENSION DETAIL
NOT TO SCALE

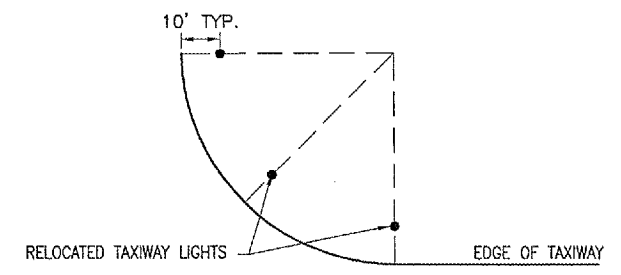
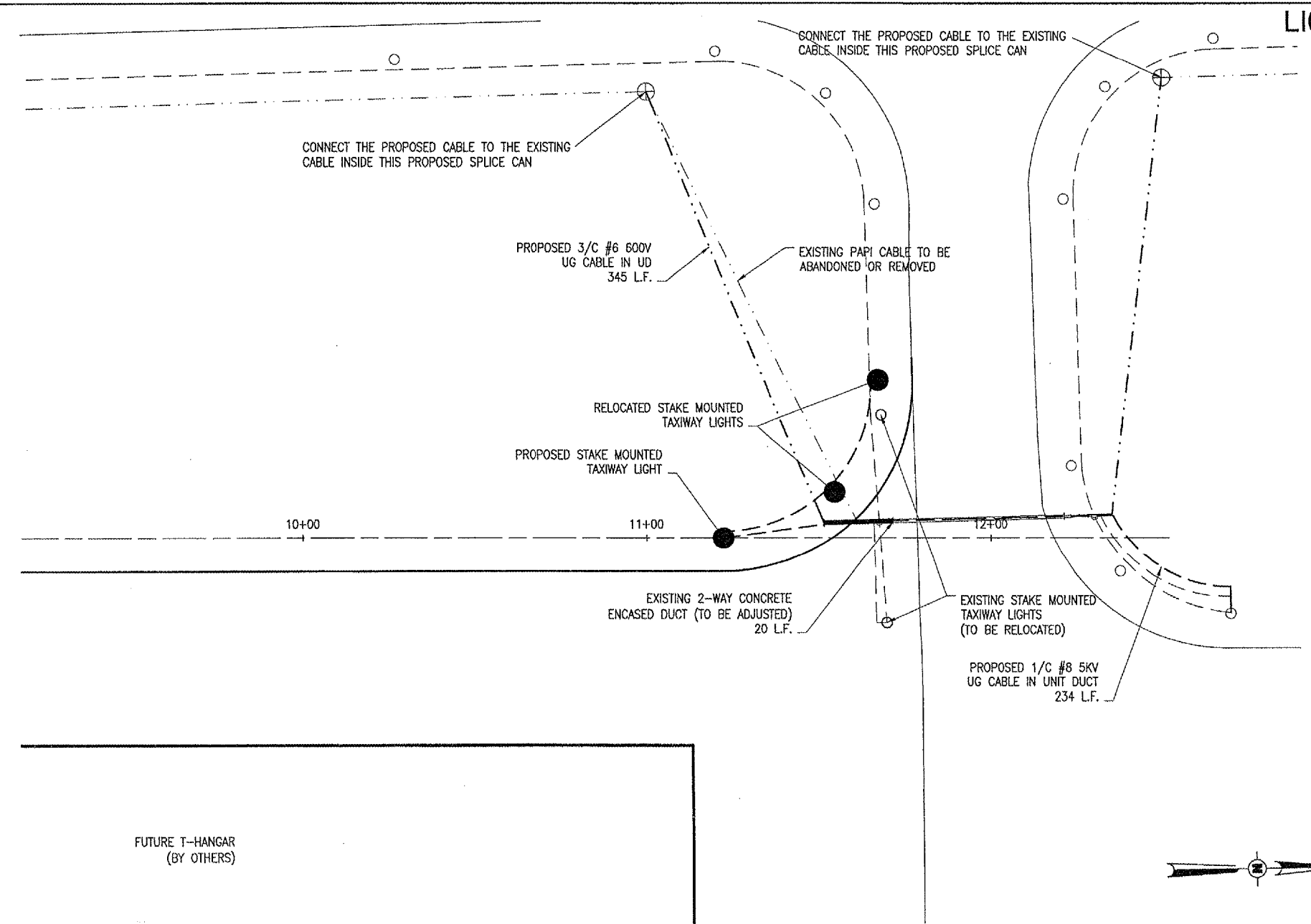
DUCT EXTENSION NOTES

THE EXISTING 2-WAY CONCRETE ENCASED DUCT SHOWN ON THIS SHEET WILL BE EXTENDED TO A MINIMUM OF 3' FROM THE PROPOSED PAVEMENT EDGE.

THE EXISTING CABLE INSIDE THE DUCT CAN BE REMOVED DURING THE EXTENSION. HOWEVER, THE LIGHTING CIRCUITS WILL BE TEMPORARIED UNTIL THE DUCT IS EXTENDED AND THE NEW CABLE IN PLACE.

THE CONTRACTOR WILL ENCASE THE DUCTS WITH CONCRETE AFTER THEY HAVE BEEN EXTENDED.

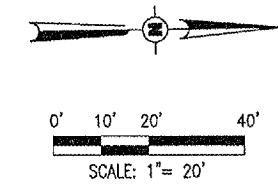
THE DUCT EXTENSION WILL BE PAID FOR UNDER THE FOLLOWING ITEM:
AR110941 "ADJUST 2-WAY CONCRETE ENCASED DUCT" _ _ _ 20 L.F.



55' RADIUS LIGHTING DETAIL
"NOT TO SCALE"

LEGEND

- EXISTING STAKE MOUNTED TAXIWAY LIGHT
- EXISTING STAKE MOUNTED TAXIWAY LIGHT (TO BE RELOCATED)
- PROPOSED RELOCATED STAKE MOUNTED TAXIWAY LIGHT
- ⊕ EXISTING SPLICE CAN
- EXISTING NO. 8, 5 KV. 1/C, TYPE C CABLE IN UNIT DUCT (TAXIWAY C CIRCUIT)
- EXISTING NO. 6, 600V 3/C, TYPE C CABLE IN UNIT DUCT (PAPI CIRCUIT)
- PROPOSED NO. 8, 5 KV. 1/C, TYPE C CABLE IN UNIT DUCT (TAXIWAY C CIRCUIT)
- PROPOSED NO. 6, 600V 3/C, TYPE C CABLE IN UNIT DUCT (PAPI CIRCUIT)
- ▬ EXISTING CONCRETE ENCASED DUCT
- ▬ PROPOSED CONCRETE ENCASED DUCT ADJUSTMENT



DATE	REVISION	BY

LITCHFIELD MUNICIPAL AIRPORT
LITCHFIELD, ILLINOIS

ILL. PROJ.: 31J-2774

I&L Project No. 814-05THGD Filename R-141ELE.DWG Scale 1"=20' Date 03/30/05	LAYOUT JMB 03/30/05 DRAWN JMB 03/30/05 REVIEWED CAH xx/xx/xx
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T-HANGAR
SITE DEVELOPMENT

PROPOSED
ELECTRICAL
PLAN

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620-PAVEMENT MARKING-WATERBORNE NOTES

THE PAVEMENT MARKING-WATERBORNE (620) SHALL BE PLACED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED ON PAGE 77 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM SHALL CONSIST OF TAXIWAY CENTERLINE MARKING IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. TAXIWAY CENTERLINE MARKING WILL BE 1 FT. IN WIDTH. ALL TAXIWAY MARKING WILL BE YELLOW IN COLOR WITH A 6" BLACK OUTLINE. THE PROPOSED PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS.

ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.

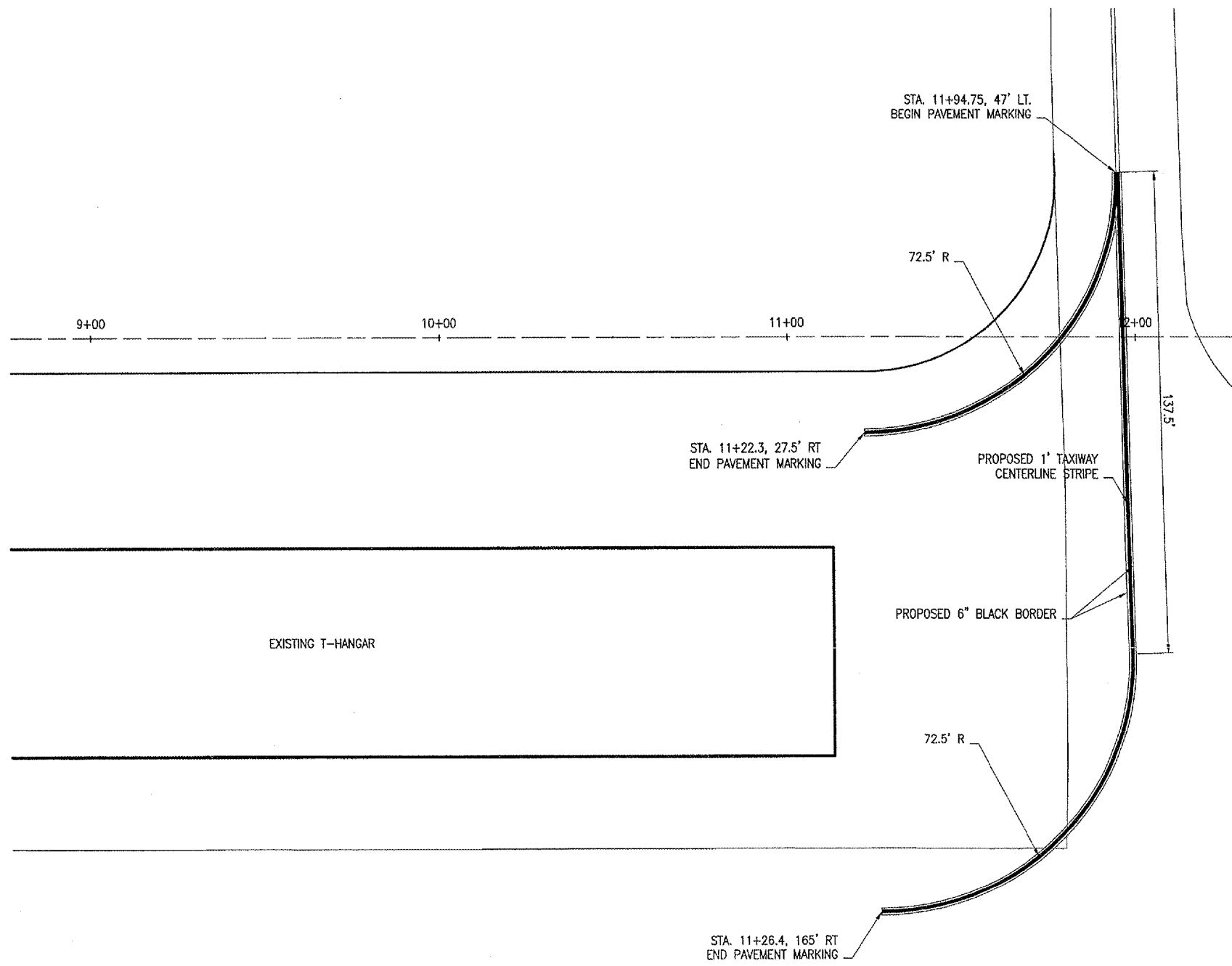
ALL PROPOSED MARKING WILL BE COMPLETED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION PLANS.

GLASS BEADS SHALL BE REQUIRED ONLY ON THE SECOND APPLICATION. NO BEADS WILL BE REQUIRED ON THE BLACK PAINT.

CUT-OFF SHEETS WILL BE REQUIRED TO INSURE STRAIGHT EDGES.

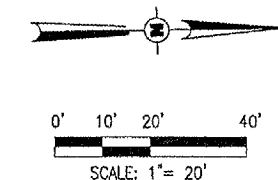
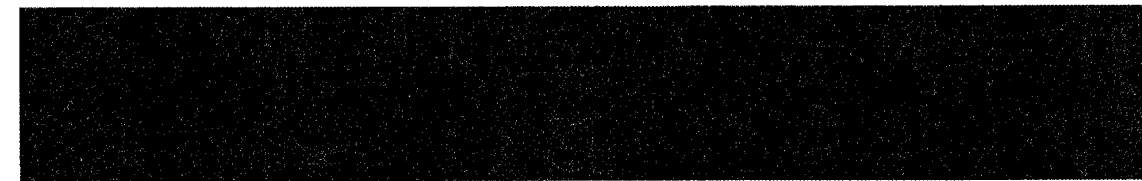
THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:
AR620520 PAVEMENT MARKING-WATERBORNE ____ 731 S.F.

MARKING QUANTITIES			
DESCRIPTION	UNIT AREA	NO. REQUIRED	TOTAL AREA
TAXIWAY CENTERLINE	137.5	1	137.5
RADIUS	114	2	228
TOTAL YELLOW			365.5
TAXIWAY CENTERLINE	137.5	1	137.5
RADIUS	114	2	228
TOTAL BLACK			365.5
TOTAL MARKING			731



LEGEND

	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	EXISTING MARKING
	PROPOSED MARKING



DATE	REVISION	BY

**LITCHFIELD MUNICIPAL AIRPORT
LITCHFIELD, ILLINOIS**

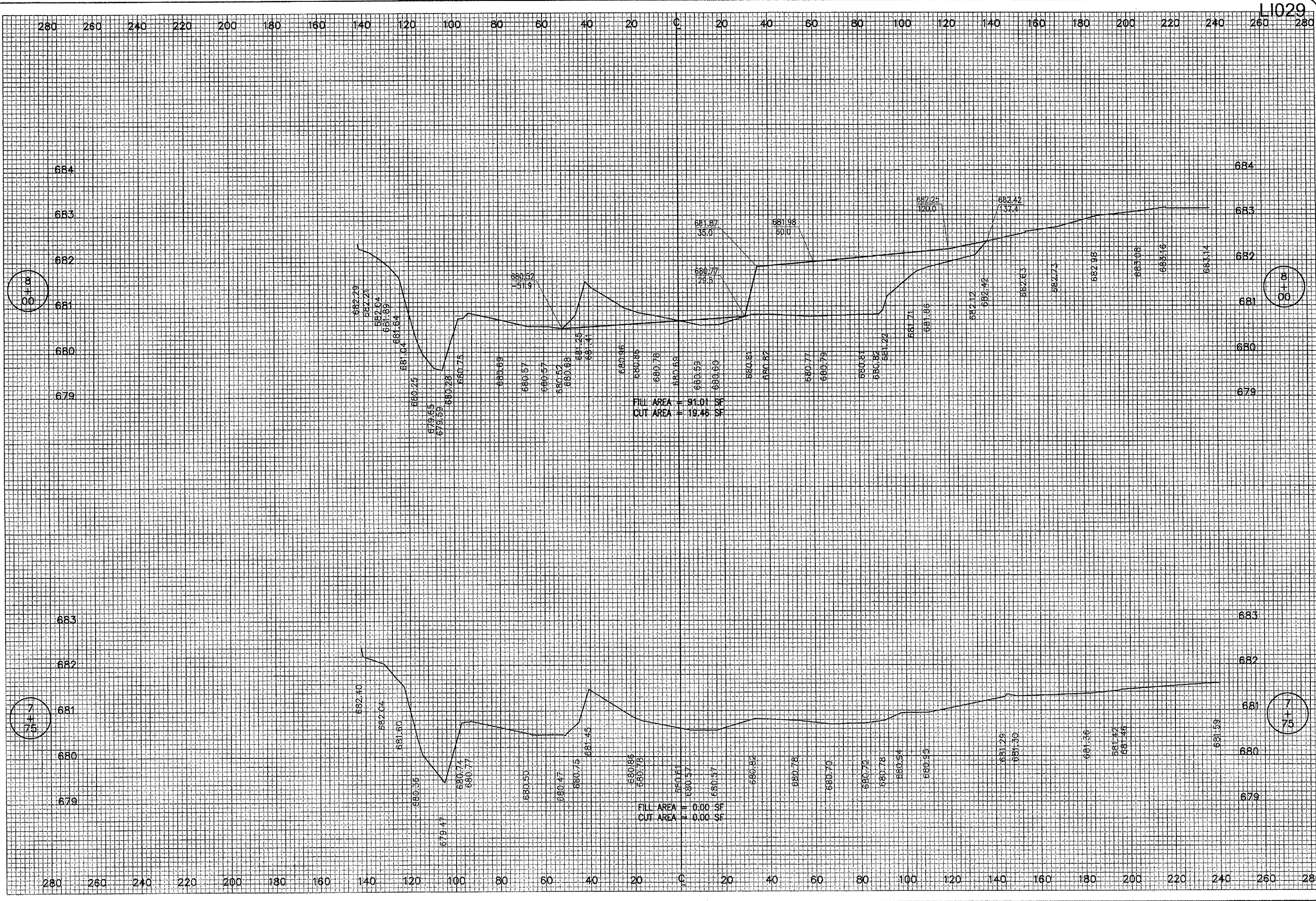
IL PROJ.: 3LF-2774

HEL Project No. 814-05THGD	FILENAME R-151MRK.DWG	LAYOUT JMB	03/29/05
Scale 1"=20'	Date 03/22/05	DRAWN JMB	03/29/05
		REVIEWED CAH	xx/xx/xx

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**T-HANGAR
SITE DEVELOPMENT**

PROPOSED
MARKING
PLAN



L1029

DATE	REVISION	BY

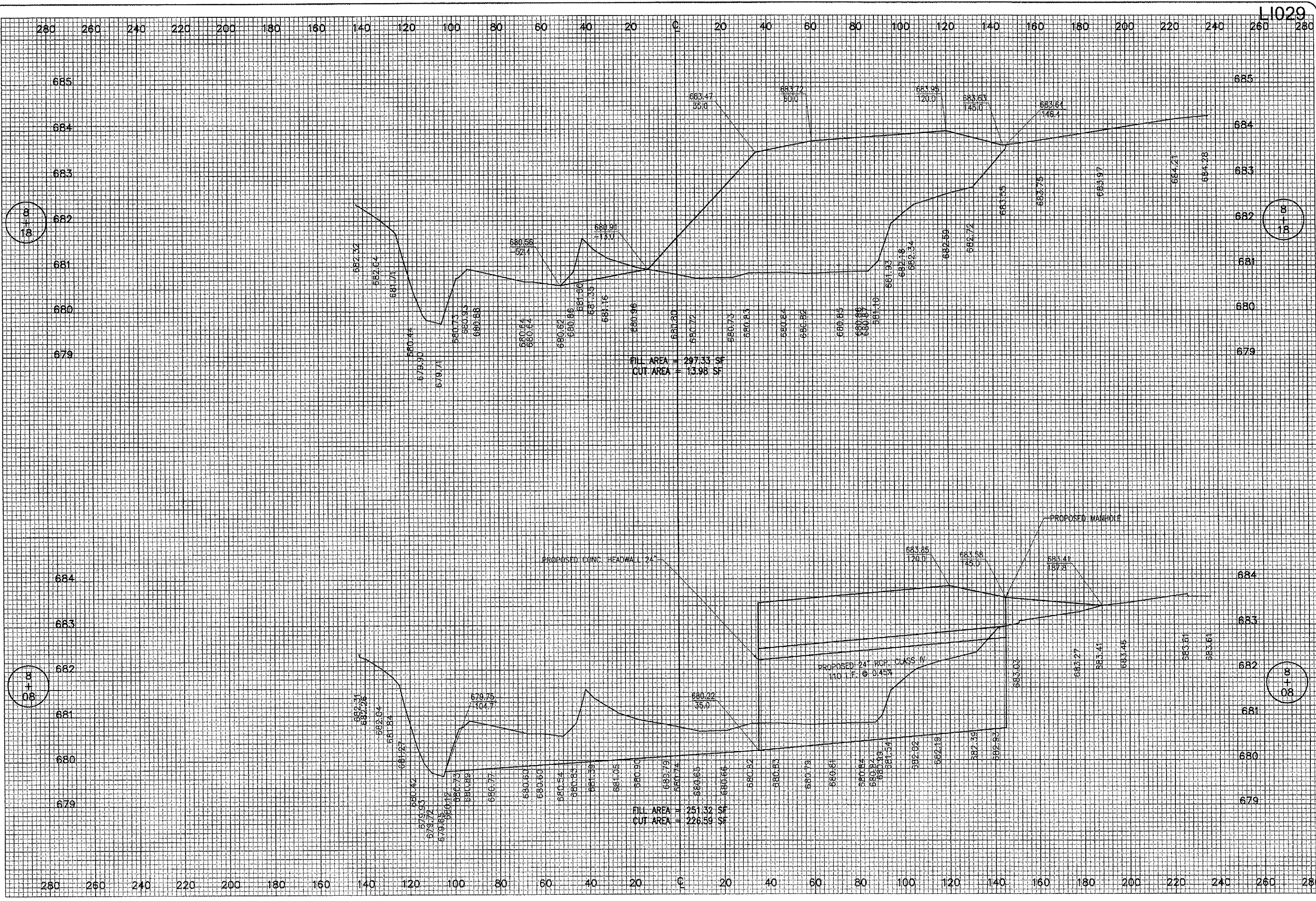
LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

ILL. PROJ.: 315-2774

H&E Project No. 814-05THC Filename: R-301XS.DWG Scale: HORZ. 20' VERT. 1"	
Date: 03/30/05	
LAYOUT	JMB 03/30/05
DRAWN	JMB 03/30/05
REVIEWED	CAH xx/xx/xx



T-HANGAR
 SITE DEVELOPMENT
 PROPOSED
 CROSS SECTIONS
 STA. 7+75 TO STA. 8+00



L1029

DATE	REVISION	BY

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

IL PROJ.: 31F-2774

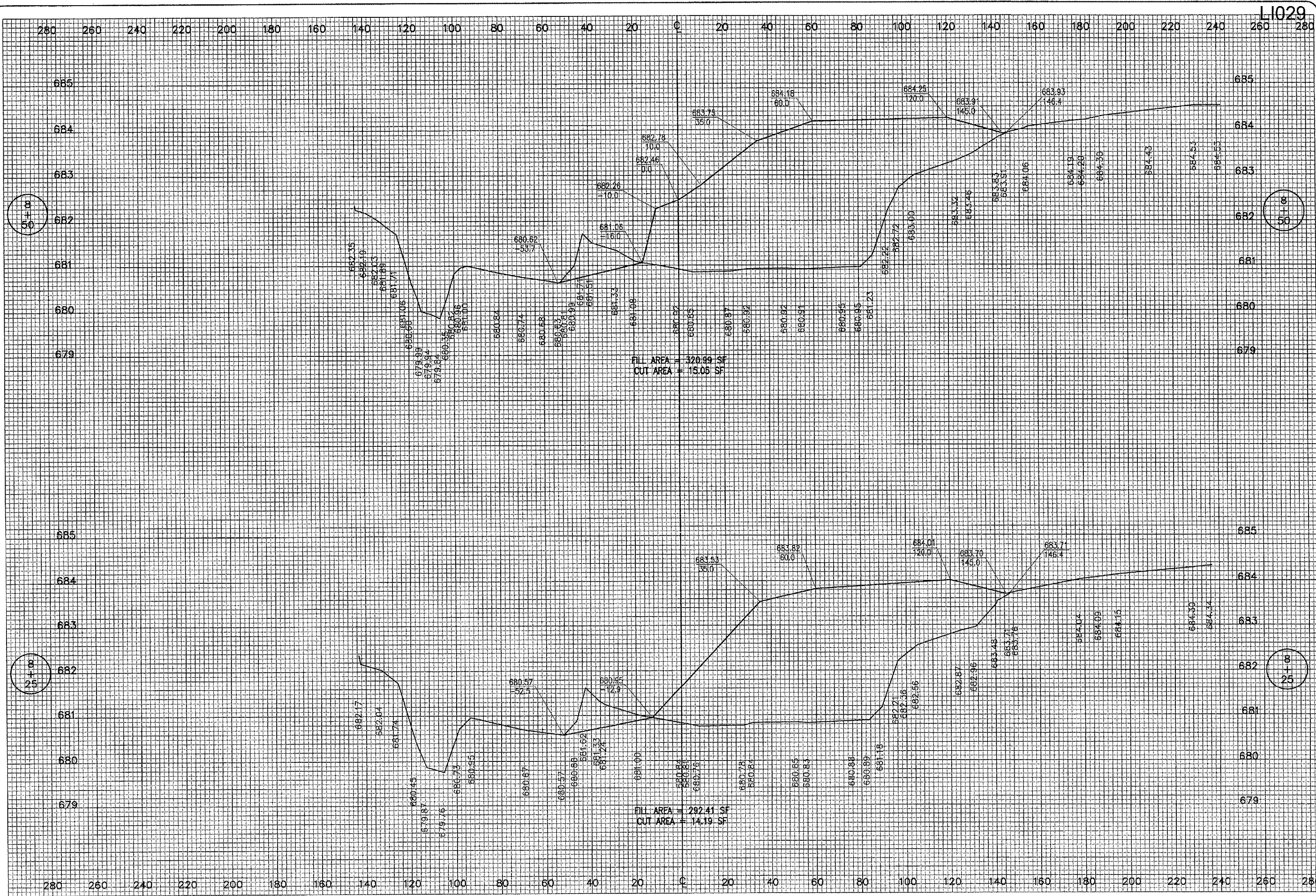
FEI Project No. 814-05THC0	FILENAME R-302XS.DWG	DATE 03/30/05
Scale HORIZ. 20 VERT. 1"		
LAYOUT JMB 03/30/05	DRAWN JMB 03/30/05	REVIEWED CAH xx/xx/xx



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T-HANGAR
 SITE DEVELOPMENT

PROPOSED
 CROSS SECTIONS
 STA. 8+08 TO STA. 8+18



L1029

DATE	REVISION

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

PL PROJ: 3LF-2774

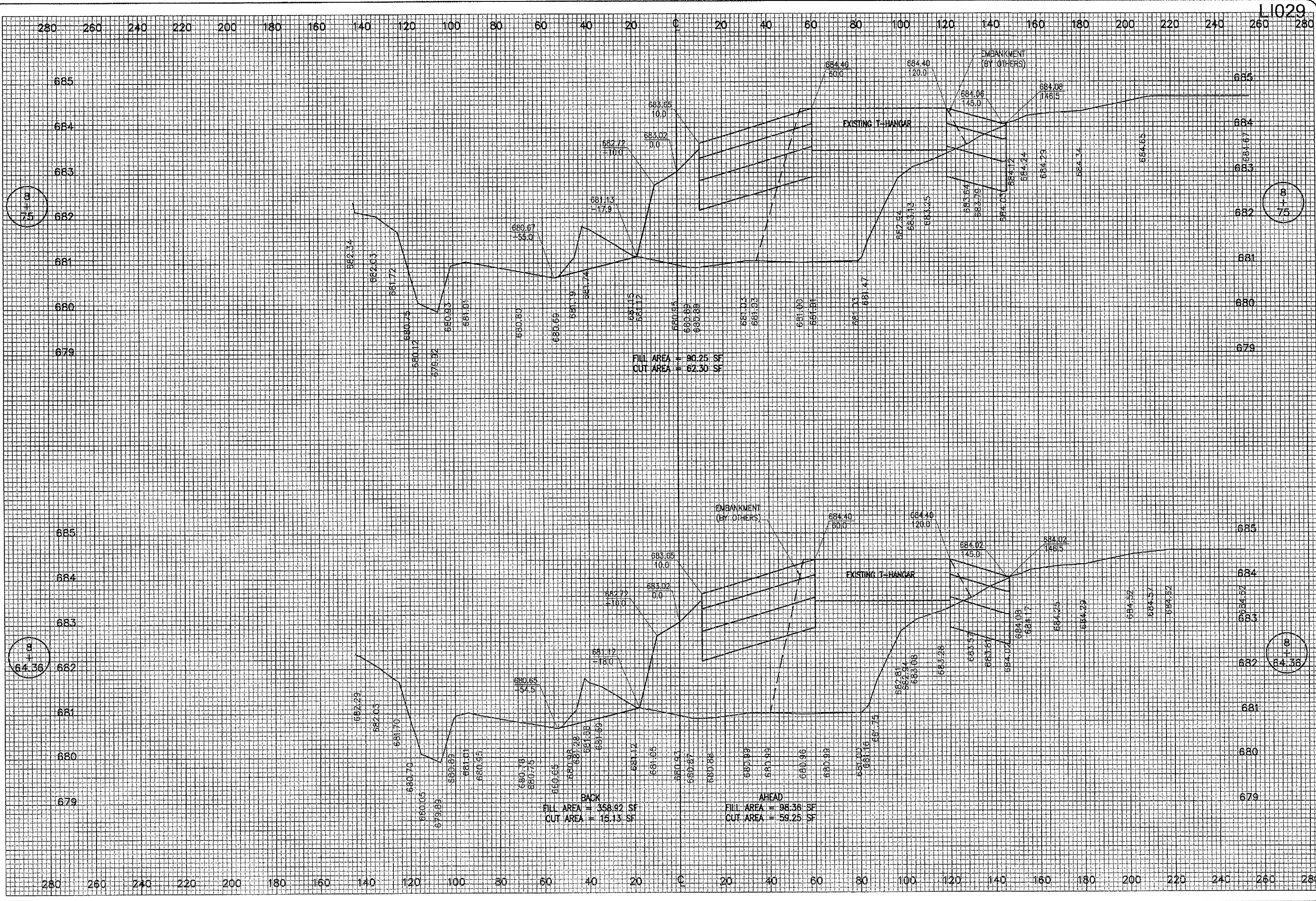
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File Name: R-303XS.DWG	JMB	03/30/05
Scale: HORIZ. 20' VERT. 1'	CAH	xx/xx/xx
Date: 03/30/05		



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T-HANGAR
 SITE DEVELOPMENT

PROPOSED
 CROSS SECTIONS
 STA. 8+25 TO STA. 8+50



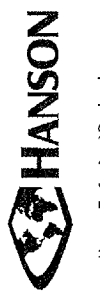
L1029

BY	
REVISION	
DATE	

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

IL PROJ.: 31F-2774

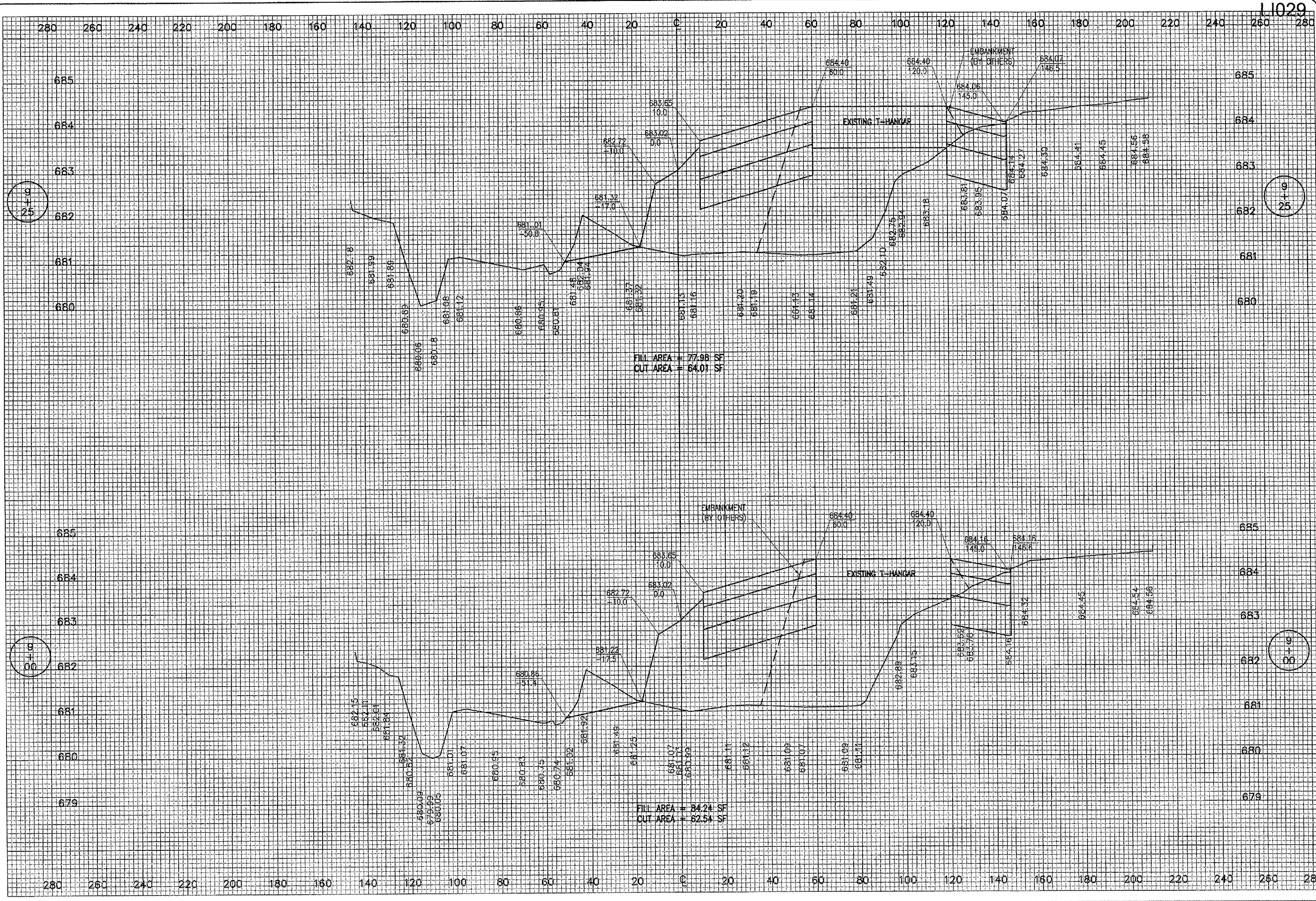
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Filename	R-304XS.DWG
Scale	HORIZ. 20 VERT. 1'
Date	03/30/05
LAYOUT	JMB 03/30/05
DRAWN	JMB 03/30/05
REVIEWED	CAH xx/xx/xx



Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2996
 Offices Nationwide

T-HANGAR
 SITE DEVELOPMENT

PROPOSED
 CROSS SECTIONS
 STA. 8+64.36 TO STA. 8+75



L1029

9
+
25

9
+
25

9
+
00

9
+
00

DATE	REVISION

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

ILL. PROJ.: 31F-2774

RE Project No.	814-05THC
Filename	R-305XS.DWG
Scale	HORIZ. 20' VERT. 1"
Date	03/30/05

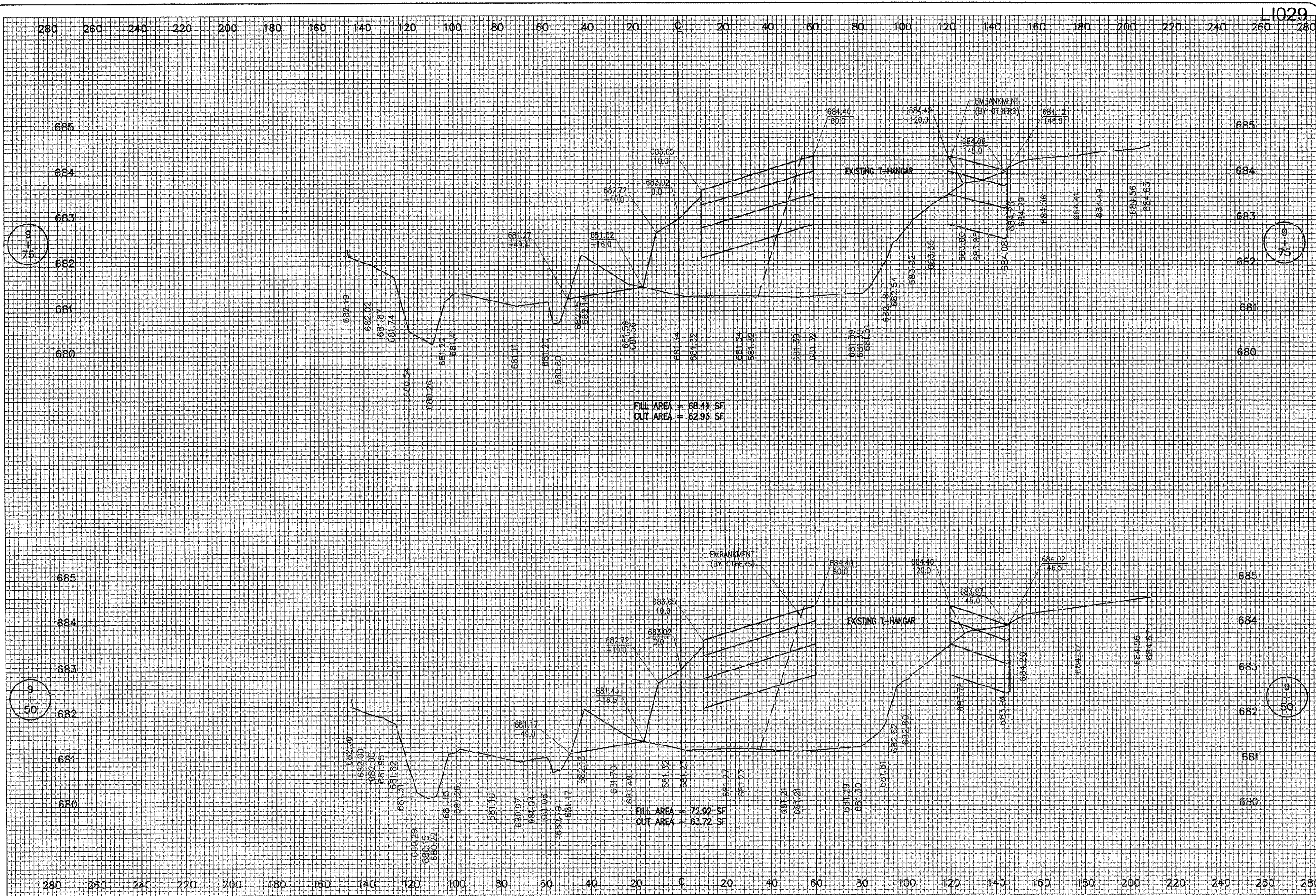
LAYOUT	JMB	JMB	03/30/05
DRAWN	JMB	JMB	03/30/05
REVIEWED	CAH	CAH	xx/xx/xx



Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

T-HANGAR
 SITE DEVELOPMENT

PROPOSED
 CROSS SECTIONS
 STA. 9+00 TO STA. 9+25



L1029

DATE	REVISION

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

IL PROJ.: 31F-2774

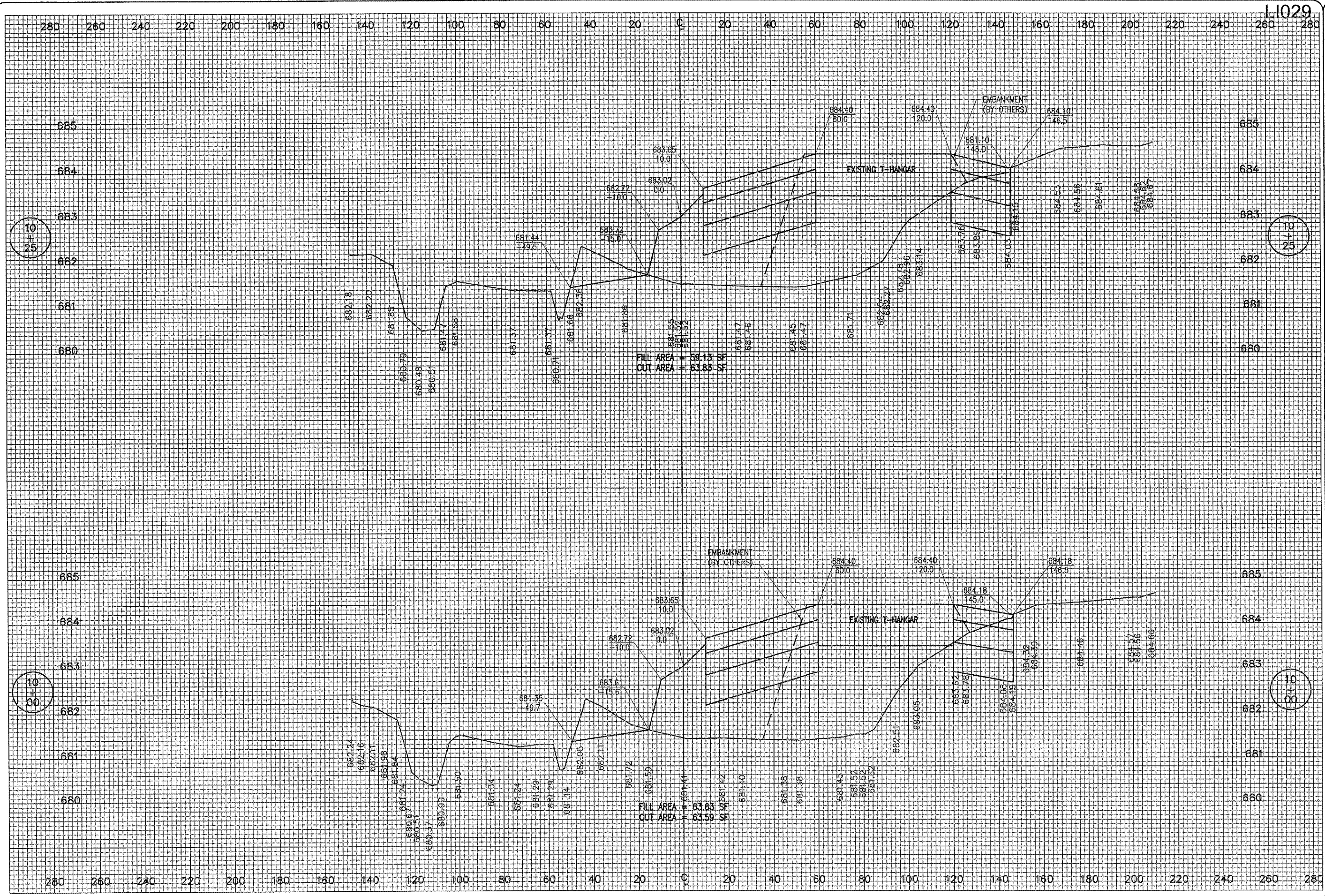
FILE PROJECT NO.	814-05THG0
FILENAME	R-306XS.DWG
SCALE	HORIZ. 20' VERT. 1'
DATE	03/30/05
LAYOUT	JMB 03/30/05
DRAWN	JMB 03/30/05
REVIEWED	CAH xx/xx/xx



Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

T-HANGAR
 SITE DEVELOPMENT

PROPOSED
 CROSS SECTIONS
 STA. 9+50 TO STA. 9+75



L1029

DATE	REVISION

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

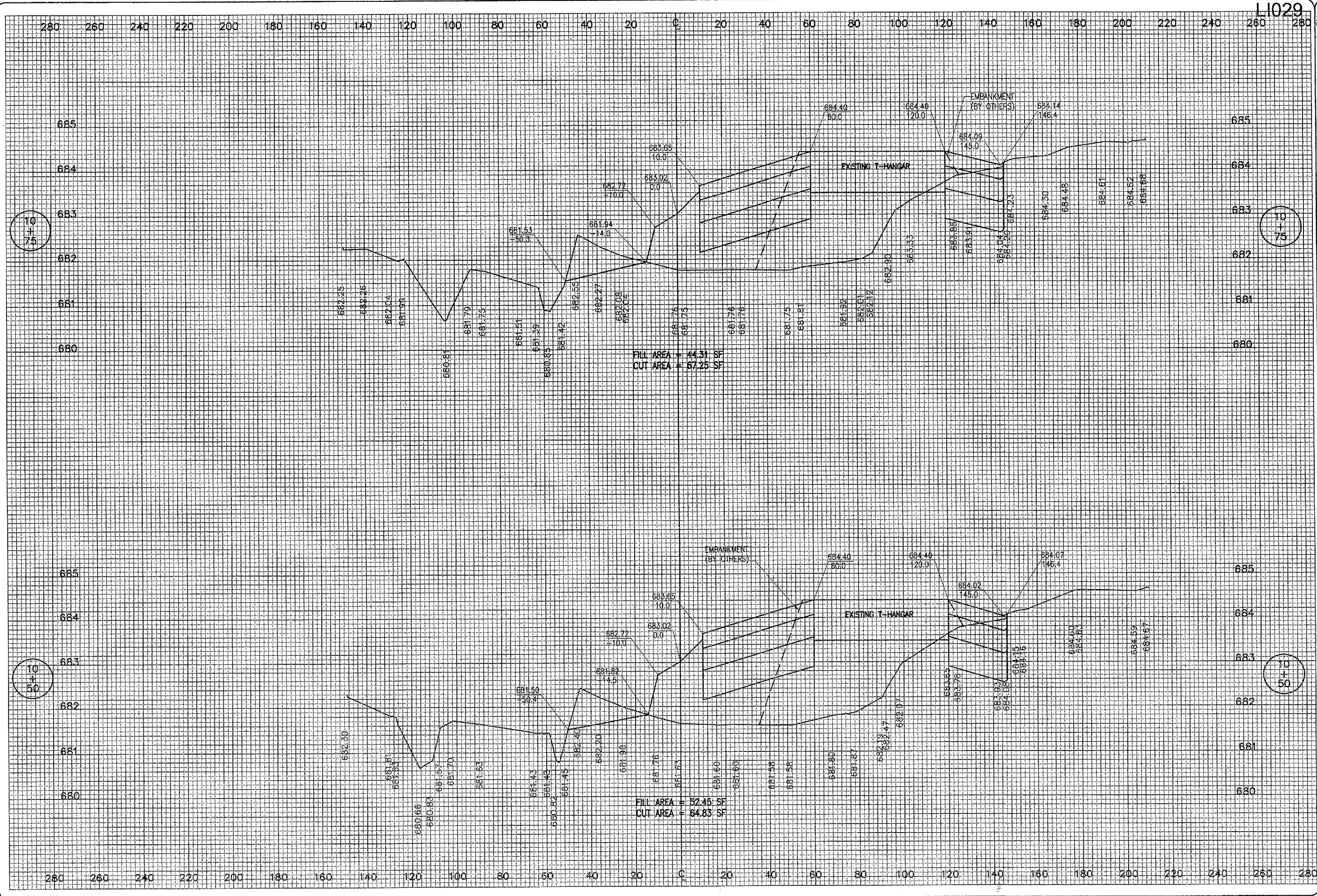
IL PROJ.: 31F-2774

Project No. 814-05THG0	JMB	03/30/05
Filename R-307XS.DWG	JMB	03/30/05
Scale HORIZ. 20' VERT. 1'	CAH	xx/xx/xx
Date 03/30/05		
LAYOUT		
DRAWN		
REVIEWED		



Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

T-HANGAR
 SITE DEVELOPMENT
 PROPOSED
 CROSS SECTIONS
 STA. 10+00 TO STA. 10+25



L1029

10
+
75

10
+
75

10
+
50

10
+
50

DATE	REVISION

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

ILL. PROJ.: 31F-2774

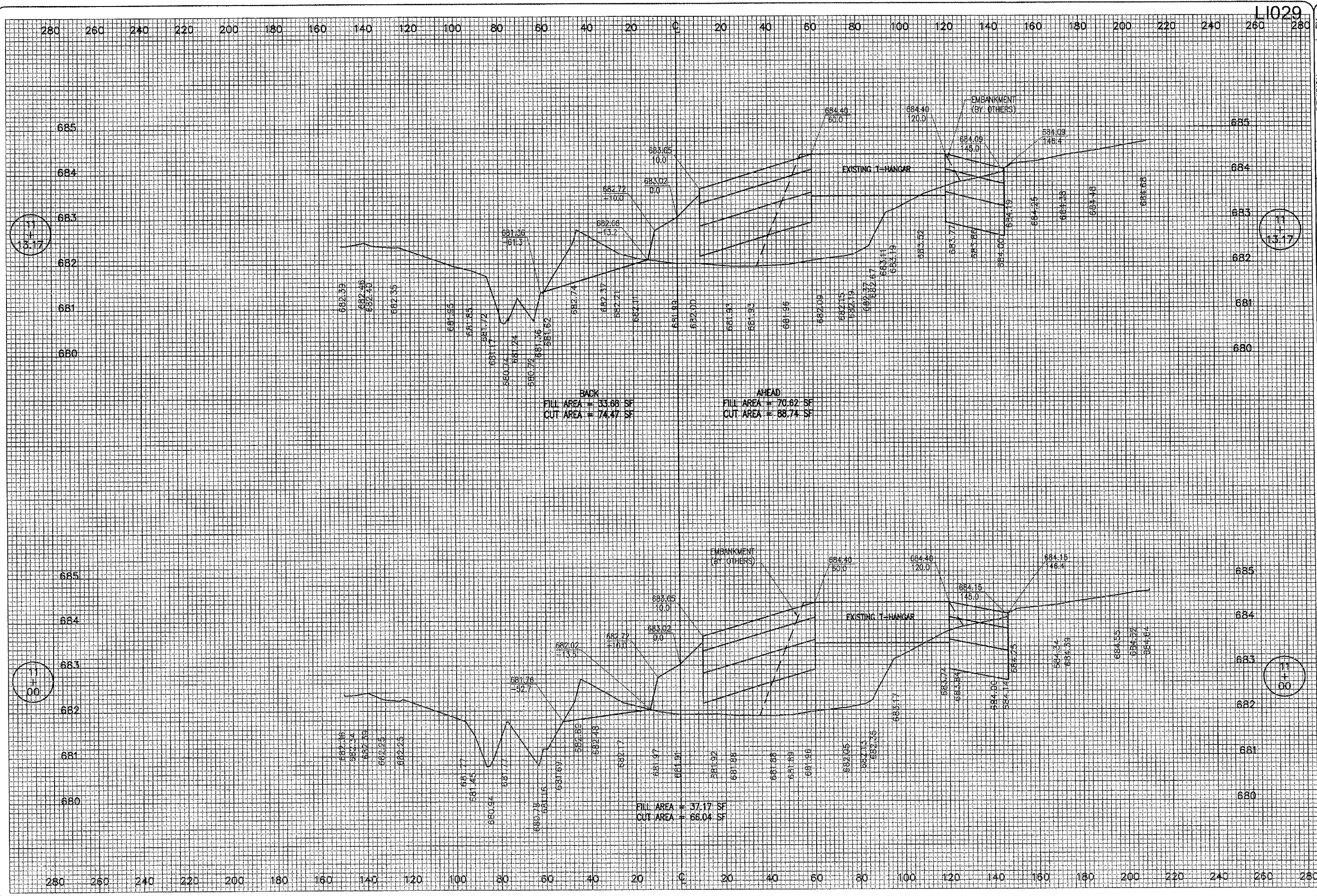
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Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

T-HANGAR
 SITE DEVELOPMENT

PROPOSED
 CROSS SECTIONS
 STA. 10+50 TO STA. 10+75



L1029

REVISION	DATE	BY

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

IL PROJ.: 3LF-2774

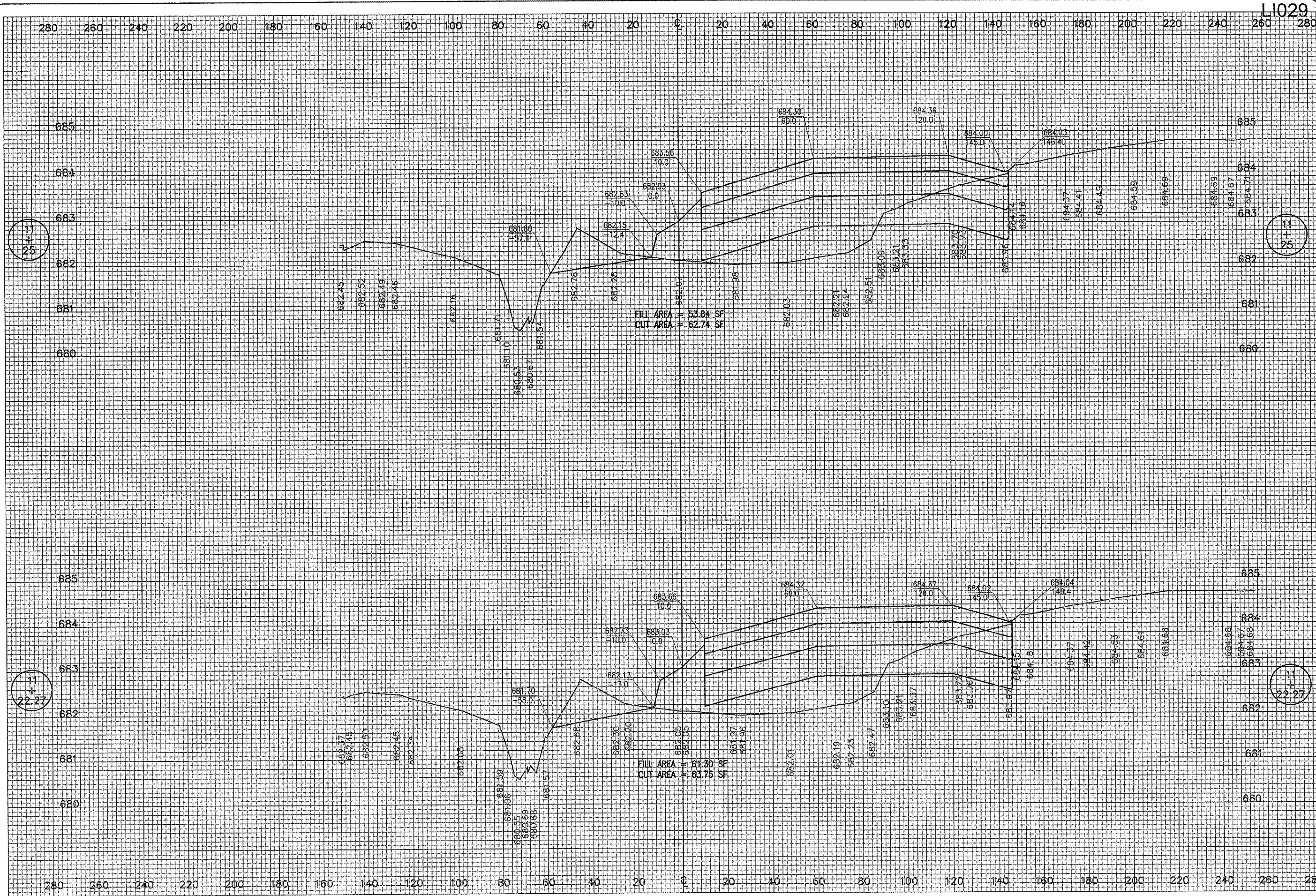
FILE PROJECT NO. 814-05THC0	FILE NAME R-309XS.DWG	SCALE HORIZ. 20'	VERT. 1"
DATE 03/30/05	LAYOUT JMB	03/30/05	
	DRAWN JMB	03/30/05	
	REVIEWED CAH	xx/xx/xx	



Hanson Professional Services Inc.
 615 S. State Street
 Springfield, Illinois 62703-2886
 Offices Nationwide

T-HANGAR
 SITE DEVELOPMENT

PROPOSED
 CROSS SECTIONS
 STA. 11+00 TO STA. 11+13.17



REVISION	DATE	BY

**LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS**

IL PROJ.: 3LF-2774

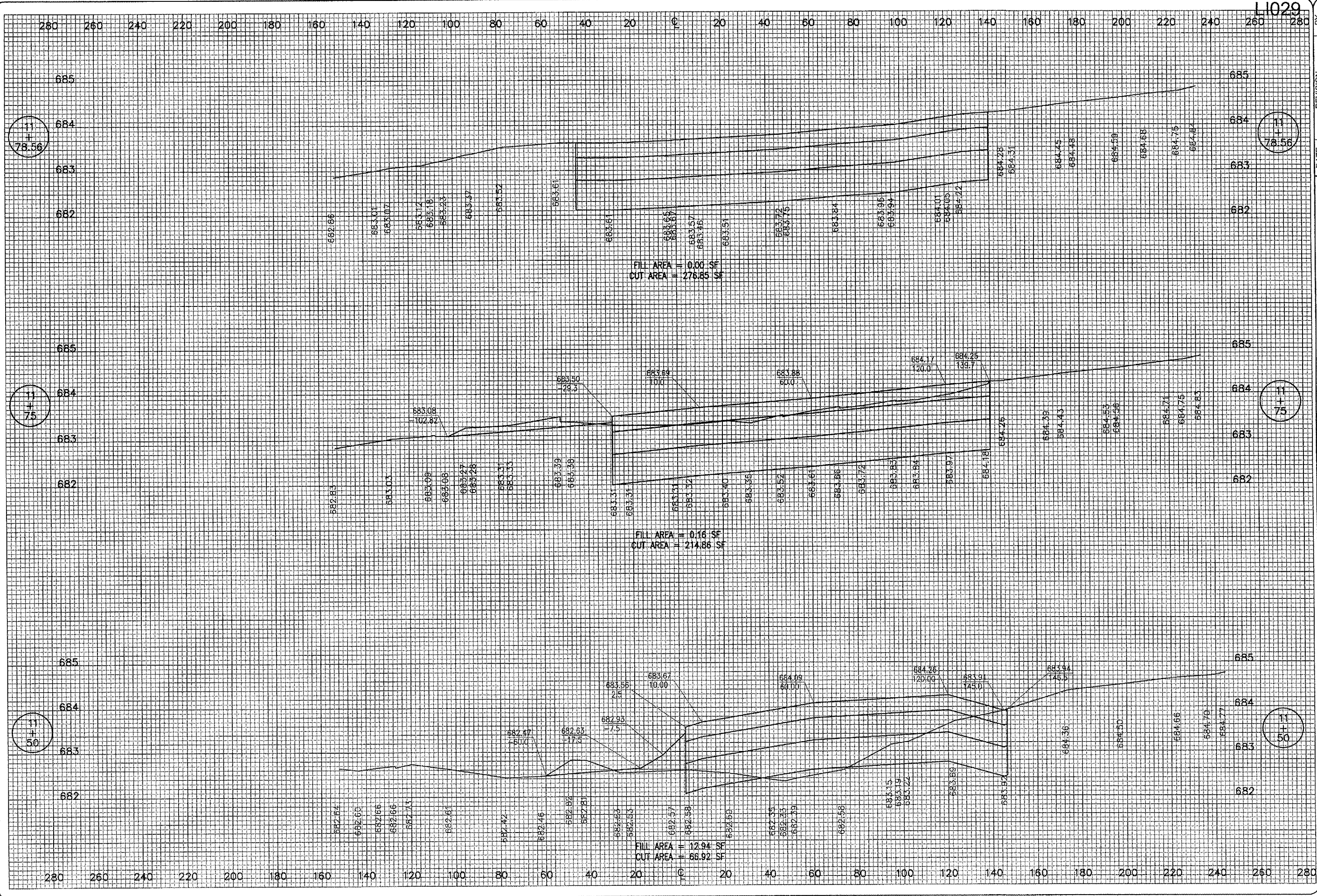
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Hanson Professional Services, Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2888
 Offices Nationwide

**T-HANGAR
 SITE DEVELOPMENT**

PROPOSED
 CROSS SECTIONS
 STA. 11+22.27 TO STA. 11+25

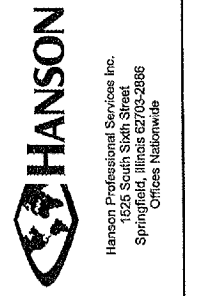


L1029

DATE	REVISION

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS

FILE: Project No. 814-05THC	FILE: R-311XS.DWG
Scale: HORIZ. 20'	VERT. 1'
Date: 03/30/05	
LAYOUT: JMB	03/30/05
DRAWN: JMB	03/30/05
REVIEWED: CAH	xx/xx/xx



T-HANGAR
 SITE DEVELOPMENT
 PROPOSED
 CROSS SECTIONS
 STA. 11+50 TO STA. 11+78.56