

CONSTRUCTION PLANS

FOR

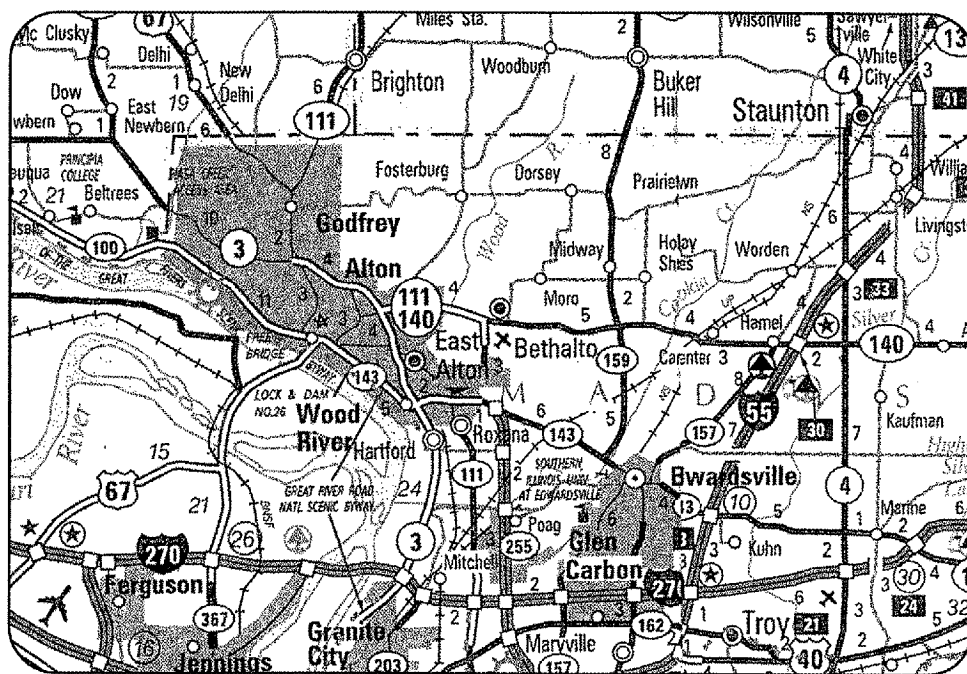
ST. LOUIS REGIONAL AIRPORT

EAST ALTON, MADISON COUNTY, ILLINOIS

AIRCRAFT PARKING APRON

SCOPE OF WORK

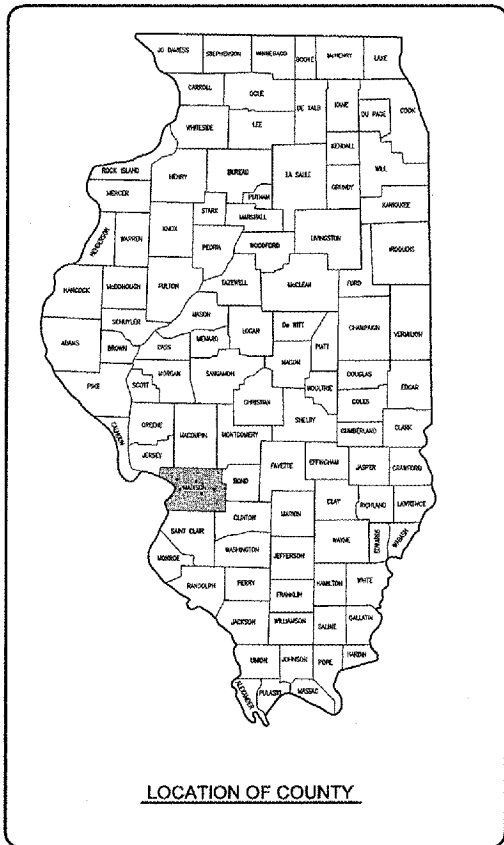
THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A 270' X 60' CONCRETE AIRCRAFT APRON FOR ACCESS TO FUTURE CORPORATE/F.B.O. HANGARS. INCLUDED WILL BE PAVEMENT REMOVAL, UNCLASSIFIED EXCAVATION, DRAINAGE, OVERSIZED AGGREGATE, AGGREGATE BASE COURSE, P.C. CONCRETE, MARKING, SEEDING AND MULCHING.



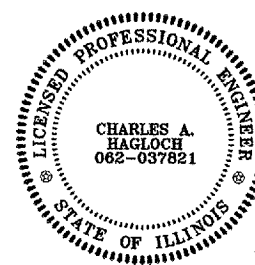
LOCATION

ILL. PROJ.: ALN-3348

LATITUDE: 38° 53' 29"
LONGITUDE: 90° 02' 51"
ELEVATION: 544' M.S.L.
DATE: MAY 19, 2006



LOCATION OF COUNTY



PLANS PREPARED BY:

HANSON
Hanson Professional Services Inc.
DESIGN ENGINEER

Submitted by: *Charles A. Hagloch* ENGR
Date Submitted: JUNE 30, 2006
Lic. Exp. Date: NOVEMBER 30, 2007

ST. LOUIS REGIONAL AIRPORT AUTHORITY

Approved: *Richard R. Bell* CHAIRMAN
Date: _____
Approved: *Jeffery C. Weintraub* SECRETARY
Date: _____

REVISION	DATE

ST. LOUIS REGIONAL AIRPORT
St. Louis Regional Airport
EAST ALTON, ILLINOIS
ILL. PROJ.: ALN-3348

FILE	DATE
83706APND_0240	04/12/06
R-001COV.DWG	04/12/06
NOT TO SCALE	04/12/06
04/12/06	05/17/06

HANSON
Hanson Professional Services Inc.
1528 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONSTRUCT AIRCRAFT PARKING APRON
COVER SHEET
1
1 of 28 sheets

REVISION	DATE	BY


SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	217	
AR152442	OFFSITE BORROW EXCAVATION	C.Y.	784	
AR156510	SILT FENCE	L.F.	420	
AR156513	SEPARATION FABRIC	S.Y.	2,512	
AR156520	INLET PROTECTION	EA.	2	
AR162508	CLASS E FENCE 8'	L.F.	535	
AR162900	REMOVE CLASS E FENCE	L.F.	216	
AR201610	BITUMINOUS BASE COURSE	TON	39	
AR208510	OVERSIZE AGGREGATE	TON	788	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	504	
AR401610	BITUMINOUS SURFACE COURSE	TON	28	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	50	
AR401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	166	
AR501507	7" PCC PAVEMENT	S.Y.	2,221	
AR501530	PCC TEST BATCH	EA.	1	
AR603510	BITUMINOUS TACK COAT	GAL.	73	
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	126	
AR701512	12" RCP, CLASS IV	L.F.	248	
AR751410	INLET	EA.	2	
AR752412	PRECAST REINFORCED CONC. FES 12"	EA.	1	
AR901510	SEEDING	AC.	0.7	
AR908510	MULCHING	AC.	0.7	
AR800410	AGGREGATE REMOVAL	S.Y.	522	

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7	EXISTING UTILITY PLAN
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10	PROPOSED JOINTING PLAN
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17	PROPOSED CROSS-SECTIONS FOR APRON STA. 1+75 TO STA. 1+95
18	PROPOSED CROSS-SECTIONS FOR APRON STA. 2+25 TO STA. 2+50
19	PROPOSED CROSS-SECTIONS FOR APRON STA. 2+75 TO STA. 3+00
20	PROPOSED CROSS-SECTIONS FOR APRON STA. 3+25 TO STA. 3+50
21	PROPOSED CROSS-SECTIONS FOR APRON STA. 3+75 TO STA. 4+00
22	PROPOSED CROSS-SECTIONS FOR APRON STA. 4+25 TO STA. 4+50
23	PROPOSED CROSS-SECTIONS FOR APRON STA. 4+65 TO STA. 4+75
24	PROPOSED CROSS-SECTIONS FOR APRON STA. 5+00
25	PROPOSED CROSS-SECTIONS FOR APRON ACCESS STA. 10+81.38
26	PROPOSED CROSS-SECTIONS FOR APRON ACCESS STA. 11+00 TO STA. 11+25
27	PROPOSED CROSS-SECTIONS FOR APRON ACCESS STA. 11+35.39 TO STA. 11+67.63
28	PROPOSED CROSS-SECTIONS FOR APRON ACCESS STA. 11+75 TO STA. 12+00


ST. LOUIS REGIONAL AIRPORT



EAST ALTON, ILLINOIS
IL PROJ.: ALN-3348

LET Project No. 83708APND 0240
 Electronic R-002FLP.DWG
 Scale NOT TO SCALE
 Date 4/12/06

LAYOUT	JAC	4/12/06
DRAWN	BAK	4/12/06
REVIEWED	CAH	05/17/06



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

CONSTRUCT AIRCRAFT
 PARKING APRON

SUMMARY OF QUANTITIES
 AND
 INDEX TO SHEETS

JUN 29, 2006 1:22 PM CAH
 I:\AIRPORTS\STLOUIS\837-06APND\AIRPORT\SHEETS\R-002FLP.DWG - Layout1

SCOPE OF WORK

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A 270' X 60' CONCRETE AIRCRAFT APRON FOR ACCESS TO FUTURE CORPORATE/F.B.O. HANGARS. INCLUDED WILL BE PAVEMENT REMOVAL, UNCLASSIFIED EXCAVATION, DRAINAGE, OVERSIZED AGGREGATE, AGGREGATE BASE COURSE, P.C. CONCRETE, MARKING, SEEDING AND MULCHING.

EROSION CONTROL

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

AIRPORT SECURITY NOTE

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL CLOSE AND LOCK ANY EXISTING GATES TO THE CONSTRUCTION AREA AT THE END OF EACH WORKING DAY.

UTILITY NOTE

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES, F.A.A. 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 UTILITIES WILL BE LOCATED AT THE CONTRACTOR'S OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION.

HEIGHT OF CONSTRUCTION EQUIPMENT

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

EQUIPMENT PARKING AND STORAGE AREA

THE CONTRACTOR WILL USE THE DESIGNATED EQUIPMENT PARKING AND STORAGE AREA AS SHOWN ON THIS SHEET. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED EQUIPMENT PARKING AND STORAGE AREA THROUGHOUT THE COURSE OF THE PROJECT. ANY PROPERTY DAMAGED OUTSIDE OF THESE DESIGNATED 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 EQUIPMENT PARKING AND STORAGE AREA TO ITS ORIGINAL STATE. RESTORATION OF THE EQUIPMENT PARKING AND STORAGE AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONTRACTOR RESPONSIBILITIES

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

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

PROPOSED SAFETY PLAN

GENERAL - THE ST. LOUIS REGIONAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION WILL NOT NECESSITATE CLOSING ANY RUNWAYS.

IDENTIFICATION - WHEN THE CONTRACTOR'S VEHICLES AND EQUIPMENT ARE ON AIRPORT PROPERTY, 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 THEM AS PART OF THE CONSTRUCTION CREW.

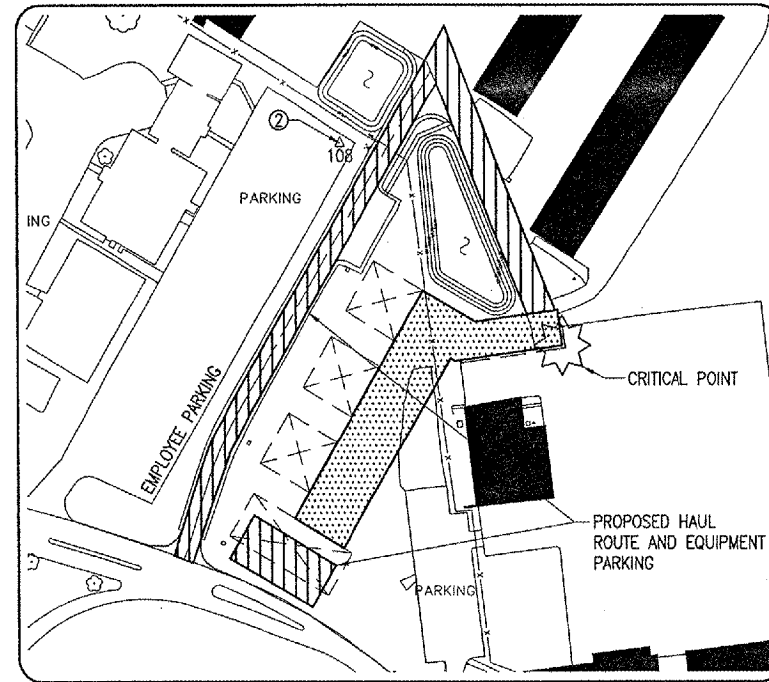
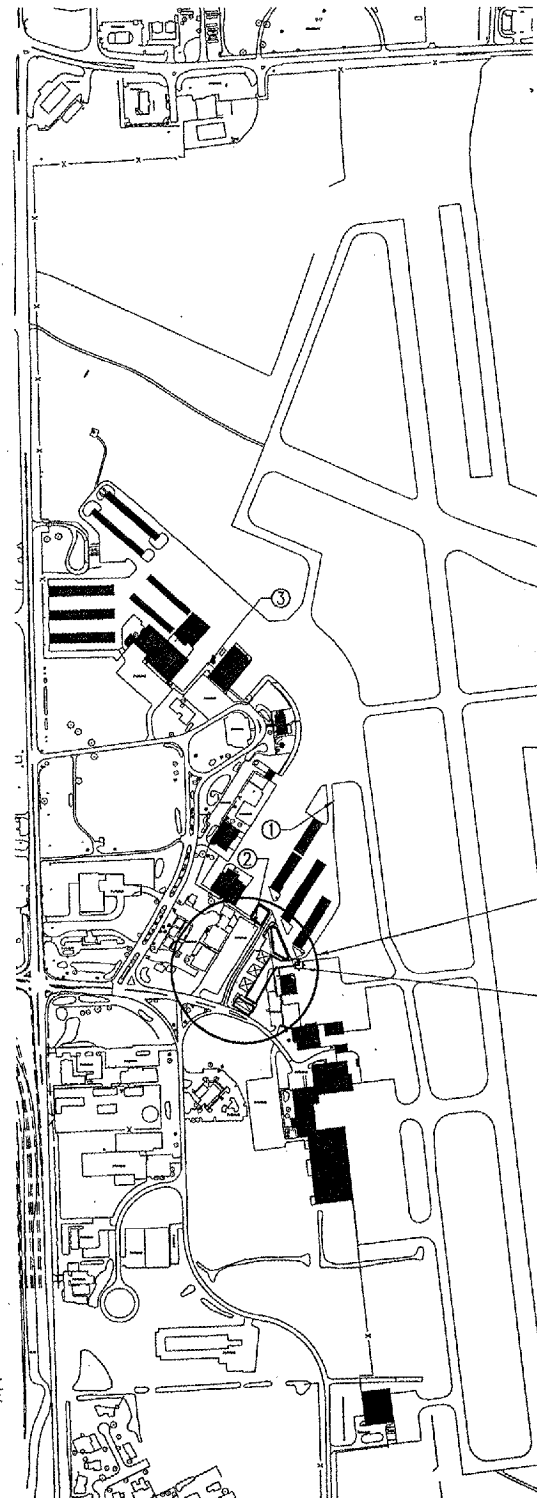
RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (120.20 MHZ.) WITH THE AIRPORT TOWER. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE ST. LOUIS REGIONAL AIRPORT'S AIR TRAFFIC CONTROL (ATC) TOWER AND ENABLE THE ATC TOWER TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTICAL EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

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 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.

ENGINEER'S FIELD OFFICE

THE LOCATION OF THE ENGINEER'S FIELD OFFICE WILL BE DETERMINED AT THE PRECONSTRUCTION MEETING.

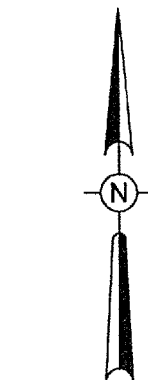


DETAIL "A"
HALF SCALE 1" = 200'
FULL SCALE 1" = 100'

PROJECT LOCATION
SEE DETAIL "A"
CRITICAL POINT

LEGEND

- EXISTING CONDITIONS
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
- PROPOSED BENCHMARK
- PROPOSED BARRICADES OR TRAFFIC CONES
- FUTURE BUILDINGS



0' 250' 500' 1000'
HALF SIZE SCALE: 1" = 1000'
FULL SIZE SCALE: 1" = 500'

J.U.L.I.E. INFORMATION

COUNTY MADISON
CITY BETHALTO
TOWNSHIP ALTON - WOODRIVER
SECTION NO. 13 AND 18
ADDRESS ST. LOUIS REGIONAL AIRPORT
8 TERMINAL DRIVE
EAST ALTON, ILLINOIS 62024

CRITICAL POINT DATA

LATITUDE - 38° 53' 16.292"
LONGITUDE - 90° 03' 15.628"
ELEVATION - 543.33'

BENCHMARK DATA -- 88 DATUM

NO.	DESCRIPTION	ELEV.
1	CHISELED "□" FOUNDATION N.W. CORNER OF HANGAR #12	540.40
2	MAG NAIL IN ASPHALT	541.72
3	N.E. BOLT OF BEACON	539.88

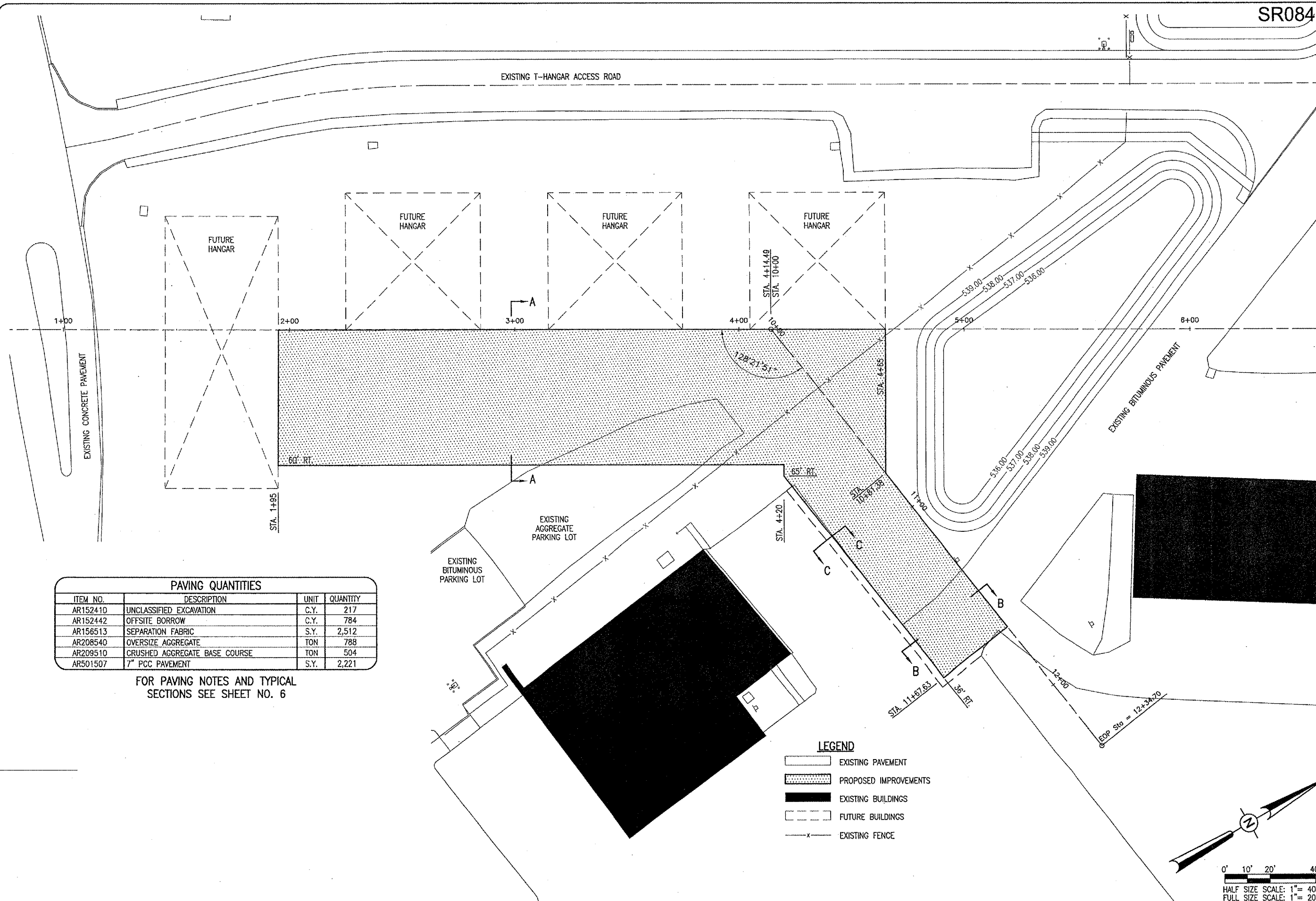
THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND 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.

	ST. LOUIS REGIONAL AIRPORT EAST ALTON, ILLINOIS IL. PROJ.: ALN-3348
	HANSON Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2886 Offices Nationwide
CONSTRUCT AIRCRAFT PARKING APRON	PROPOSED SAFETY PLAN
3	3 of 28 sheets

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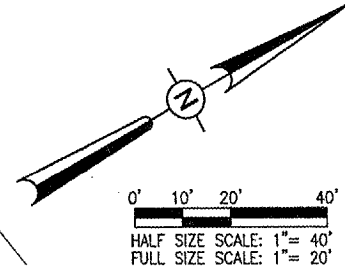
EXISTING T-HANGAR ACCESS ROAD



PAVING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	217
AR152442	OFFSITE BORROW	C.Y.	784
AR156513	SEPARATION FABRIC	S.Y.	2,512
AR208540	OVERSIZE AGGREGATE	TON	788
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	504
AR501507	7" PCC PAVEMENT	S.Y.	2,221

FOR PAVING NOTES AND TYPICAL SECTIONS SEE SHEET NO. 6

- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED IMPROVEMENTS
 - EXISTING BUILDINGS
 - FUTURE BUILDINGS
 - EXISTING FENCE



DATE	REVISION	BY

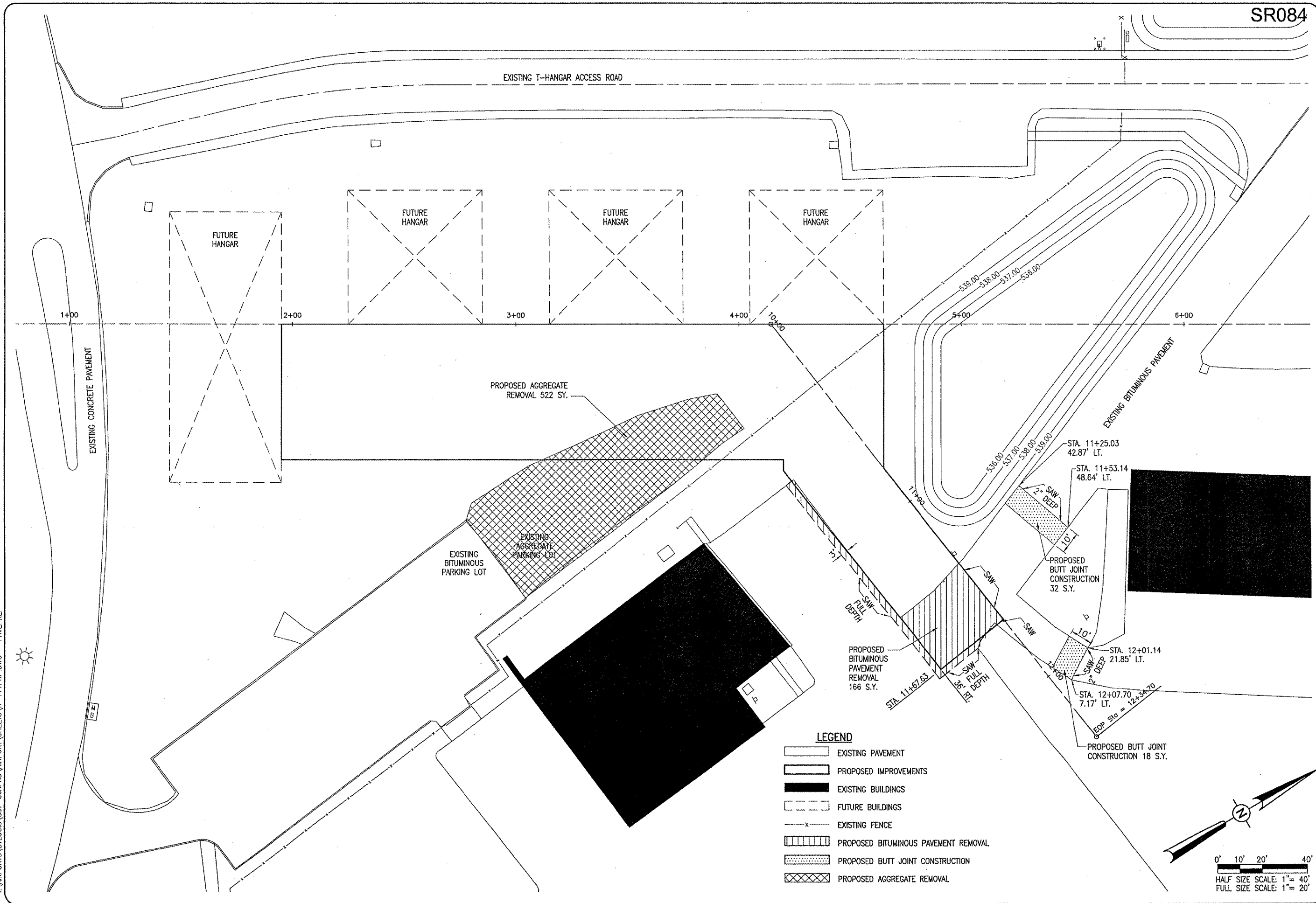
ST. LOUIS REGIONAL AIRPORT
 EAST ALTON, ILLINOIS
 ILL. PROJ.: ALN-3348

Proj. No. 83708APND 0240	Drawn by JAC	Date 04/14/06
Rev. No. R-121CON.DWG	Drawn by BAK	Date 04/14/06
Scale 1"=20'	Reviewed by CAH	Date 05/17/06

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

CONSTRUCT AIRCRAFT PARKING APRON
 PROPOSED CONSTRUCTION PLAN

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SR084

DATE	REVISION	BY

ST. LOUIS REGIONAL AIRPORT

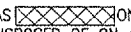
 EAST ALTON, ILLINOIS
 IL PROJ.: ALN-3348

IEE Project No. 83708APND-0240	
Revision R-111PRP.DWG	
Scale 1"=20'	
Date 04/14/06	
LAYOUT JAC 04/14/06	
DRAWN BAK 04/14/06	
REVIEWED CAH 05/17/06	

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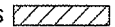
CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED
 PAVEMENT PREPARATION
 PLAN

AGGREGATE REMOVAL NOTES

THE EXISTING AGGREGATE PARKING LOT DESIGNATED AS  ON SHEET 5 SHALL BE REMOVED FULL DEPTH. THE MATERIAL WILL BE DISPOSED OF ON AIRPORT PROPERTY AT A LOCATION TO BE DETERMINED DURING CONSTRUCTION.

THE AGGREGATE REMOVAL SHALL BE PAID FOR UNDER ITEM:
AR800410 "AGGREGATE REMOVAL" _____ 522 S.Y.

REMOVE BITUMINOUS PAVEMENT

THE AREA DESIGNATED AS  ON THIS SHEET AND SHEET NO. 15 WILL HAVE THE EXISTING PAVEMENT REMOVED (FULL DEPTH) TO A SUITABLE SUBGRADE. ALL REMOVED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE.

WHERE THE PROPOSED REMOVAL AREA ABUTS THE EXISTING PAVEMENT, THE PAVEMENT WILL BE SAWS AS SHOWN ON SHEET NO. 5. THE SAWING WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED PAVEMENT REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE REMOVED PAVEMENT WILL BE DISPOSED OF OFF THE AIRPORT SITE.

THE PROPOSED PAVEMENT REMOVAL WILL PROVIDE ROOM FOR PROPOSED CONCRETE AND CONCRETE FORMS.

ANY ADJACENT PAVEMENT DAMAGED BY THE PAVEMENT REMOVAL OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

THE REMOVAL OF BITUMINOUS PAVEMENT WILL BE PAID FOR UNDER ITEM:
AR401900 "REMOVE BITUMINOUS PAVEMENT" _____ 166 SQ. YDS.

PAVEMENT SAWING NOTES

FOR THE BITUMINOUS REMOVAL ITEM THE EXISTING PAVEMENT WILL BE SAWS FULL DEPTH AS SHOWN ON SHEET 5.

FOR THE BUTT JOINT CONSTRUCTION ITEM THE EXISTING PAVEMENT WILL BE SAWS 2" IN DEPTH AS SHOWN ON SHEET 5.

THE PROPOSED SAWING WILL PROVIDE A STRAIGHT PAVEMENT EDGE FOR THE PROPOSED PAVEMENT REMOVAL.

THE RESIDENT ENGINEER WILL MARK THE PROPOSED SAW LINE IN THE FIELD.

ANY BITUMINOUS PAVEMENT CUT FROM THE SAWING OPERATIONS WILL BE COLLECTED AND DISPOSED OF OFF THE AIRPORT SITE.

THE SAWING AND DISPOSAL OF ANY WASTE MATERIAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED PAVEMENT REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED

AR401655 BUTT JOINT CONSTRUCTION NOTES

THE PROPOSED BUTT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM AR401655 "BUTT JOINT CONSTRUCTION" AS STATED ON PAGE 295 OF THE SUPPLEMENTAL SPECIFICATION AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM SHALL CONSIST OF REMOVING THE EXISTING BITUMINOUS PAVEMENT SURFACE BY MILLING IN ORDER TO CONSTRUCT A BUTT JOINT FOR THE TRANSITION OF THE PROPOSED BITUMINOUS OVERLAY AT THE LOCATIONS AS SHOWN ON THE PLANS.

THE PAVEMENT SURFACE WILL THEN BE MILLED TO A DEPTH OF 0.17 FT. AT THE BUTT END AND WILL TAPER TO 0 IN. AT THE OPPOSITE END. THE PLANER MUST BE CAPABLE OF MILLING THE SURFACE TO THE DESIRED ELEVATIONS AND GRADES.

ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

ALL BITUMINOUS PAVEMENT MILLING AREAS WILL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER.

THE PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM:
AR401655 "BUTT JOINT CONSTRUCTION" _____ 50 S.Y.

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 _____ 2,512 SQ. YDS.

152410--UNCLASSIFIED EXCAVATION NOTES:

THE PROPOSED UNCLASSIFIED EXCAVATION 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 AND OFF-SITE BORROW EXCAVATION.

THE OFF-SITE BORROW EXCAVATION WILL BE OBTAINED FROM AN APPROVED SOURCE OFF-SITE.

THE CONTRACTOR WILL PROVIDE A STANDARD PROCTOR.

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

THE PROPOSED SHOULDER MATERIAL WILL ONLY REQUIRE "LIGHT COMPACTION" TO THE SATISFACTION OF THE RESIDENT ENGINEER.

THE PROPOSED EARTHWORK WILL BE PAID FOR UNDER ITEM:
AR152410 UNCLASSIFIED EXCAVATION _____ 217 C.Y.
AR152442 OFF-SITE BORROW EXCAVATIONS _____ 784 C.Y.

AR209--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 CRUSHED AGGREGATE BASE COURSE MATERIAL (CA-6) WILL BE USED TO CONSTRUCT A BASE COURSE FOR THE PROPOSED PCC PAVEMENT. THE CRUSHED AGGREGATE BASE COURSE MATERIAL 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."

901 SEEDING NOTES

THE PROPOSED SEEDING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 901 "SEEDING" AS STATED ON PAGE 120 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

ALL DISTURBED AREAS LOCATED WITHIN THE PROPOSED GRADING AND SEEDING LIMITS WILL BE SEEDDED IN ACCORDANCE WITH THE ABOVE NOTED SPECIFICATION. ALL AREAS OUTSIDE THE DESIGNATED GRADING AND SEEDING LIMITS WILL ALSO BE SEEDDED BUT AT THE CONTRACTOR'S OWN EXPENSE.

ALL MATERIALS AND/OR DEBRIS RESULTING FROM THE SEEDING OPERATIONS WILL BE REMOVED FROM THE PAVEMENTS AND MISCELLANEOUS STRUCTURES PRIOR TO OPENING THE RUNWAY.

901-3.4 MAINTENANCE OF SEEDED AREAS. DELETE THE SECOND PARAGRAPH OF THIS SECTION AND ADD THE FOLLOWING:

"THE CONTRACTOR WILL BE REQUIRED TO ESTABLISH A GOOD STAND OF GRASS OF UNIFORM COLOR AND DENSITY TO THE SATISFACTION OF THE RESIDENT ENGINEER. IF AT THE TIME WHEN THE CONTRACT HAS BEEN OTHERWISE COMPLETED, IT IS NOT POSSIBLE TO MAKE AN ADEQUATE DETERMINATION OF COLOR, DENSITY, AND UNIFORMITY OF SUCH STAND OF GRASS, THE ITEM OF WORK WILL BE REVIEWED AT A LATER DATE DETERMINED BY THE ILLINOIS DIVISION OF AERONAUTICS."

DATE SEEDING COMPLETED _____

THE PROPOSED SEEDING WILL BE PAID FOR UNDER ITEMS:
AR901510 SEEDING _____ 0.7 ACRES

908 MULCHING NOTES

THE PROPOSED MULCHING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 908 "MULCHING" AS STATED ON PAGE 127 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

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

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


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

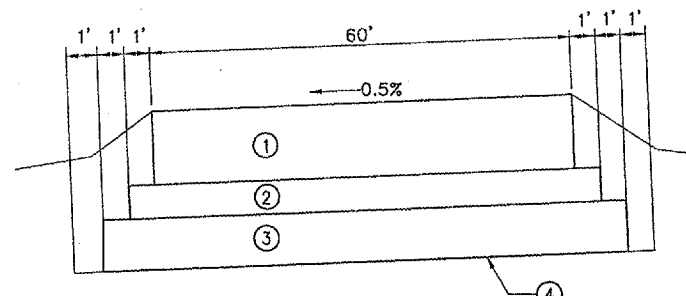
908-3.4 STRUCTURE CLEANING: AFTER THE PROPOSED MULCH HAS BEEN APPLIED, THE CONTRACTOR WILL CLEAN THE MULCH OFF ALL STRUCTURES (DRAINAGE, ELECTRICAL, LIGHTS, ETC.).

DATE MULCHING COMPLETED _____

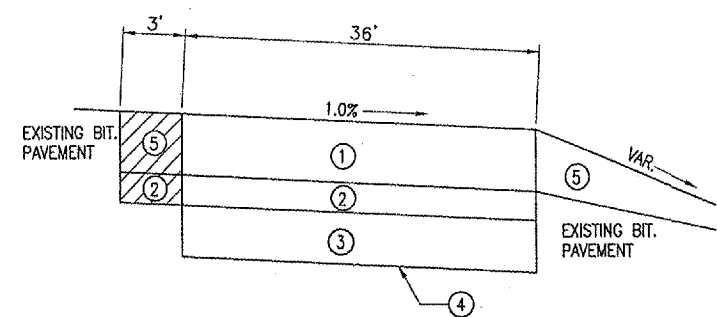
THE PROPOSED MULCHING WILL BE PAID FOR UNDER ITEMS:
AR908510 MULCHING _____ 0.7 ACRES

LEGEND FOR TYPICAL SECTION "A-A", "B-B" & "C-C"

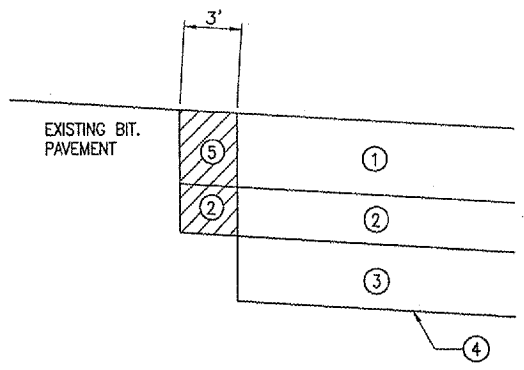
- ① PROPOSED 501 PCC PAVEMENT-7"
- ② PROPOSED 209 CRUSHED AGGREGATE BASE COURSE-4"
- ③ PROPOSED 208 OVERSIZED AGGREGATE-6"
- ④ PROPOSED 156 SEPARATION FABRIC
- ⑤ PROPOSED BITUMINOUS PAVEMENT
-  PROPOSED BITUMINOUS PAVEMENT REMOVAL



TYPICAL SECTION "A-A"
"NOT TO SCALE"




TYPICAL SECTION "B-B"
"NOT TO SCALE"



TYPICAL SECTION "C-C"
"NOT TO SCALE"

DATE	REVISION

ST. LOUIS REGIONAL AIRPORT



EAST ALTON, ILLINOIS

ILL. PROJ.: ALN-3348

FILE: 83706APND_0240	JAC	04/14/06
DESIGN: R-11.1PRP.DWG	BAK	04/14/06
SCALE: NOT TO SCALE	CAH	05/17/06
DATE: 04/14/06		
LAYOUT		
DRAWN		
REVIEWED		



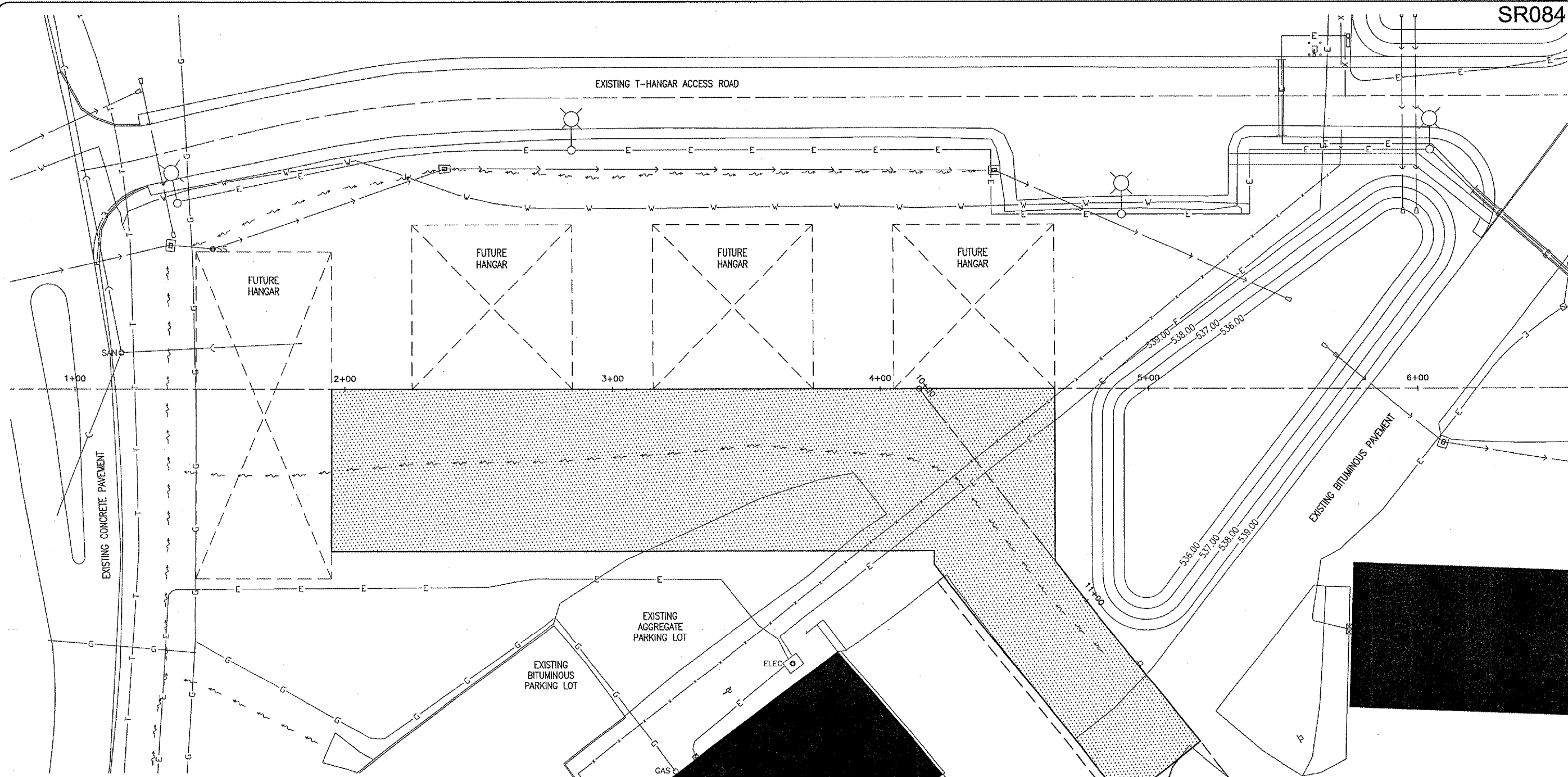
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Springfield, Illinois 62703-2886
Offices Nationwide

CONSTRUCT AIRCRAFT PARKING APRON

PROPOSED PLAN NOTES AND DETAILS

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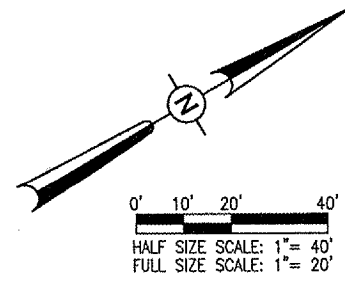


LEGEND

- | | | | |
|--|----------------------------|--|---------------------------------|
| | EXISTING PAVEMENT | | EXISTING STORM SEWER MANHOLE |
| | PROPOSED IMPROVEMENTS | | EXISTING SANITARY SEWER MANHOLE |
| | EXISTING BUILDINGS | | EXISTING ELECTRICAL MANHOLE |
| | FUTURE BUILDINGS | | EXISTING INLET |
| | EXISTING STORM SEWER | | EXISTING FIRE HYDRANT W/VALVE |
| | EXISTING SANITARY SEWER | | EXISTING ELECTRICAL SPLICE BOX |
| | EXISTING WATER MAIN | | EXISTING ELECTRICAL METER |
| | EXISTING TELEPHONE LINE | | EXISTING SIGN |
| | EXISTING GAS LINE | | EXISTING SATELLITE DISH |
| | EXISTING ELECTRICAL CABLES | | EXISTING GAS METER |
| | EXISTING FENCE | | |
| | EXISTING ELECTRICAL DUCT | | |
| | EXISTING END SECTION | | |

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.



DATE	REVISION	BY

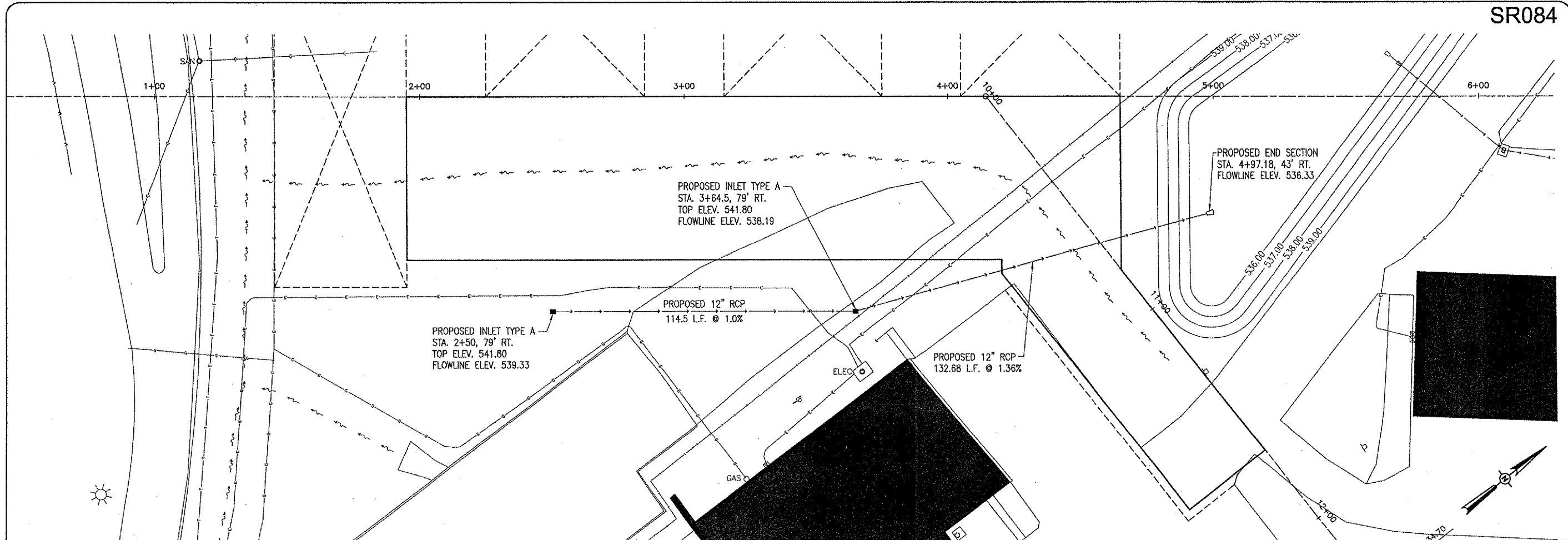
ST. LOUIS REGIONAL AIRPORT
St. Louis Regional Airport
 EAST ALTON, ILLINOIS
 IL PROJ.: ALN-3348

IEI Project No. 83706/AMND_0240	
Revision R-14 IELE.DWG	
Scale 1"=20'	
Date 04/14/06	
LAYOUT JAC 04/14/06	
DRAWN BAK 04/14/06	
REVIEWED CAH 05/17/06	

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CONSTRUCT AIRCRAFT
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 EXISTING
 UTILITY
 PLAN

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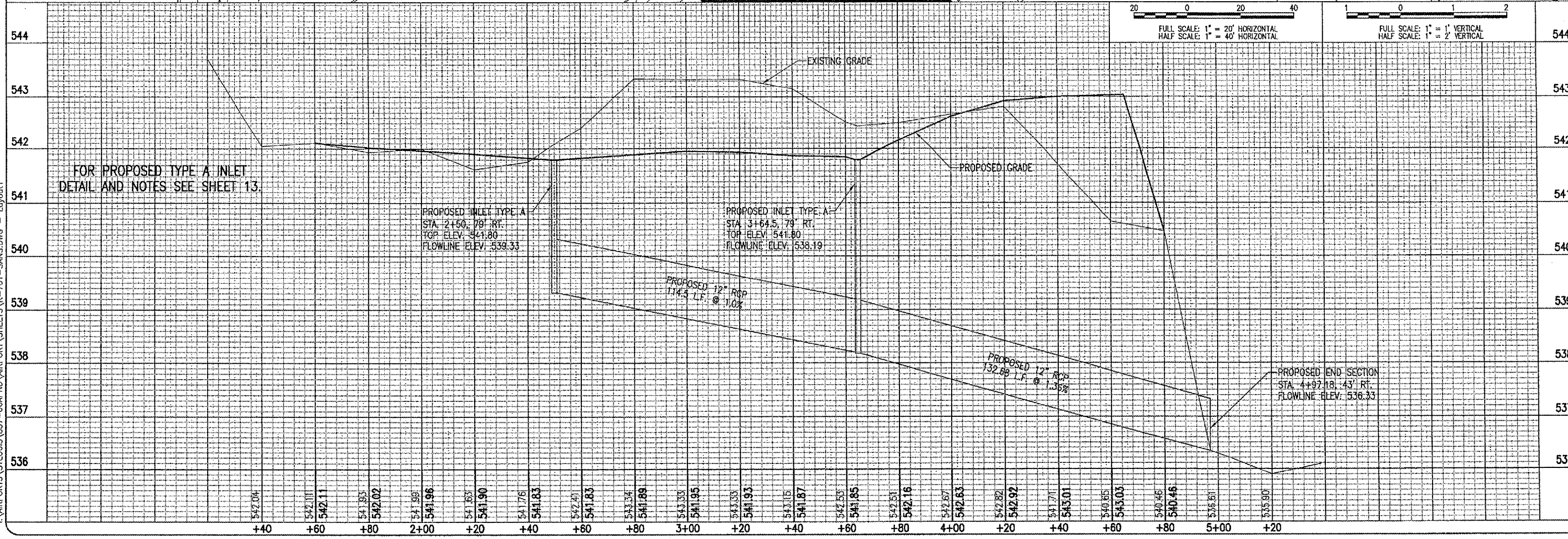
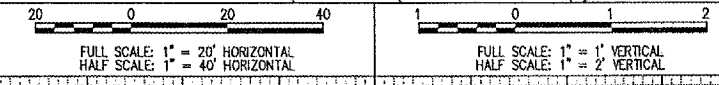
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 EAST ALTON, ILLINOIS
 IL PROJ.: ALN-3348

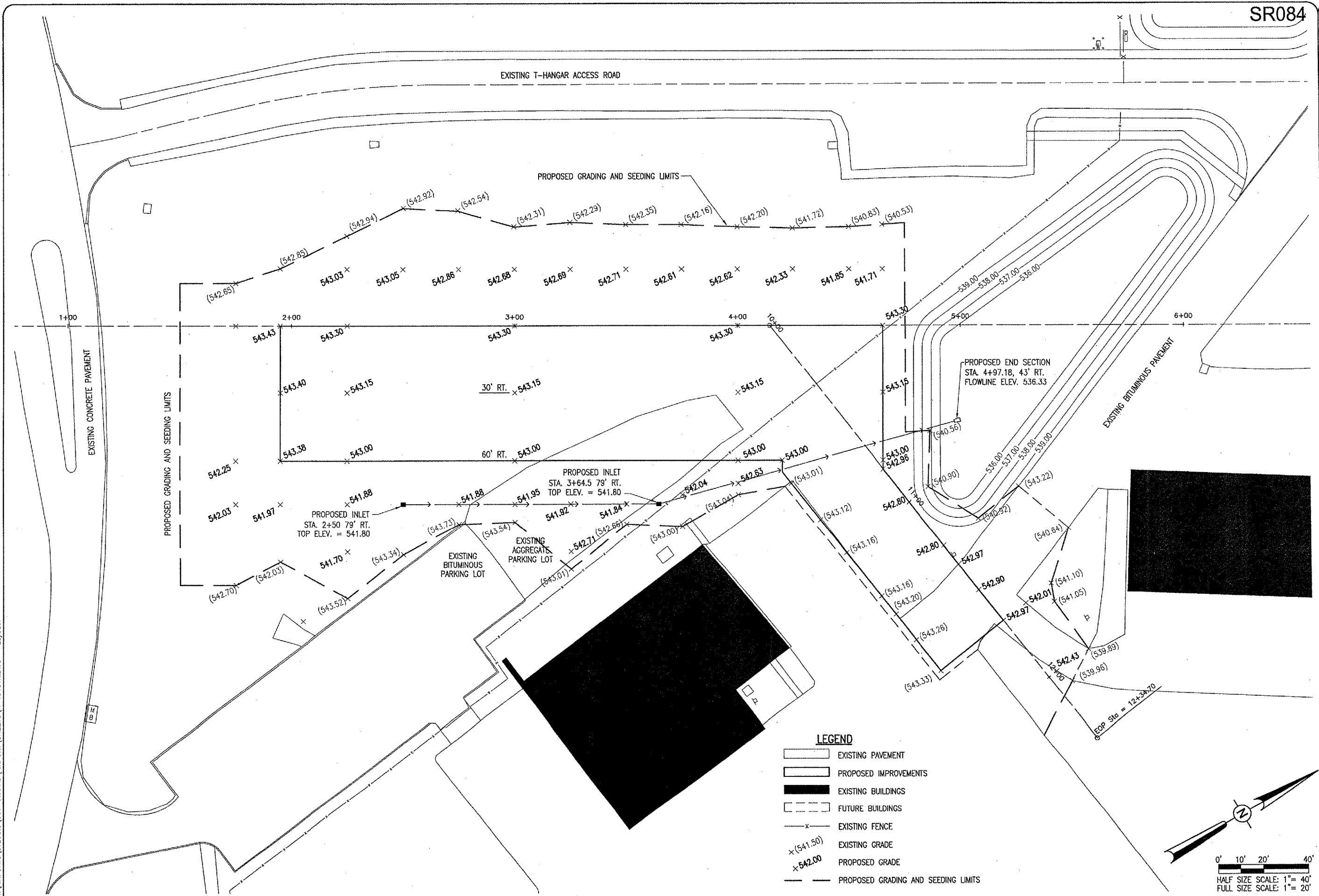
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Filename: R-701-SANS.DWG	JEO	04/14/06
Scale: H. 1" = 20' V. 1" = 2'	CAH	05/17/06
Date: 04/14/06		



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CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED STORM SEWER
 PLAN AND PROFILE
 STA. 2+50 TO STA. 4+97.18

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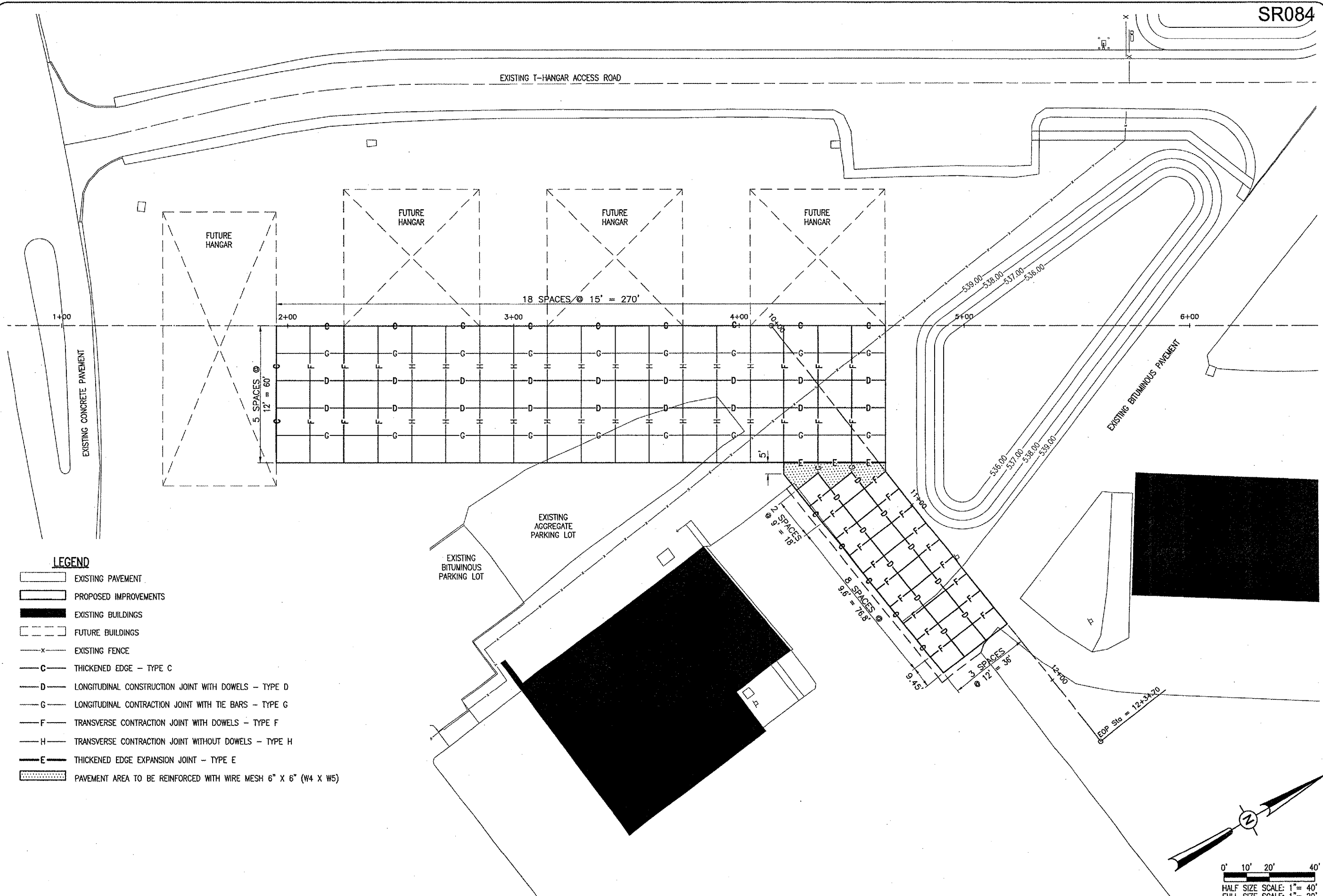
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St. Louis Regional Airport
 EAST ALTON, ILLINOIS
 IL PROJ.: ALN-3348

FILE PROJECT NO. 837084END.0240	LAYOUT	JAC	04/14/06
FILENAME R-191STK.DWG	DRAWN	BAK	04/14/06
SCALE 1"=20'	DATE	04/14/06	
	REVIEWED	CAH	05/17/06

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CONSTRUCT AIRCRAFT
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 STAKING
 PLAN



- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED IMPROVEMENTS
 - EXISTING BUILDINGS
 - FUTURE BUILDINGS
 - EXISTING FENCE
 - THICKENED EDGE - TYPE C
 - LONGITUDINAL CONSTRUCTION JOINT WITH DOWELS - TYPE D
 - LONGITUDINAL CONTRACTION JOINT WITH TIE BARS - TYPE G
 - TRANSVERSE CONTRACTION JOINT WITH DOWELS - TYPE F
 - TRANSVERSE CONTRACTION JOINT WITHOUT DOWELS - TYPE H
 - THICKENED EDGE EXPANSION JOINT - TYPE E
 - PAVEMENT AREA TO BE REINFORCED WITH WIRE MESH 6" X 6" (W4 X W5)

DATE	REVISION	BY

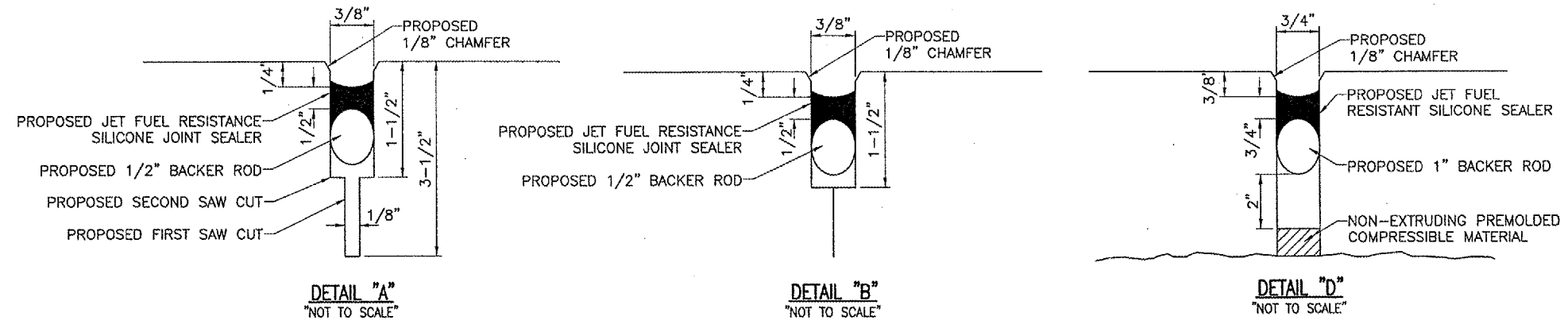
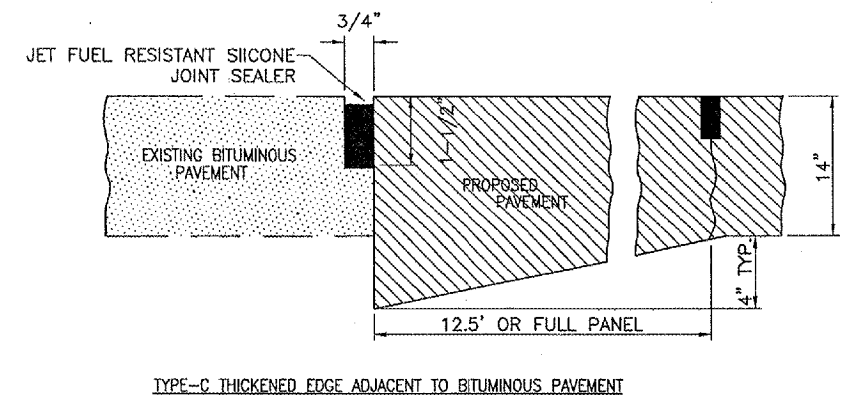
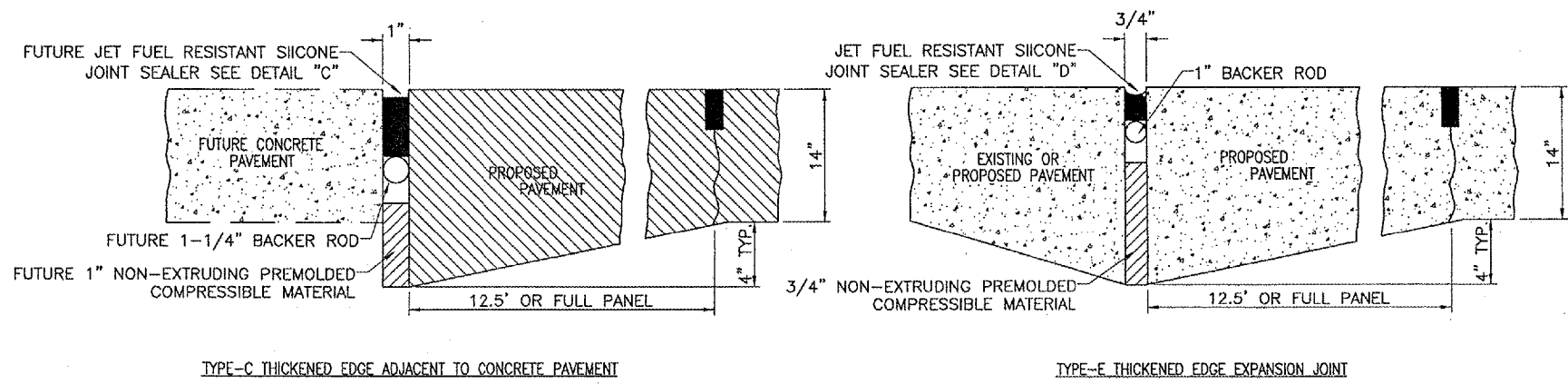
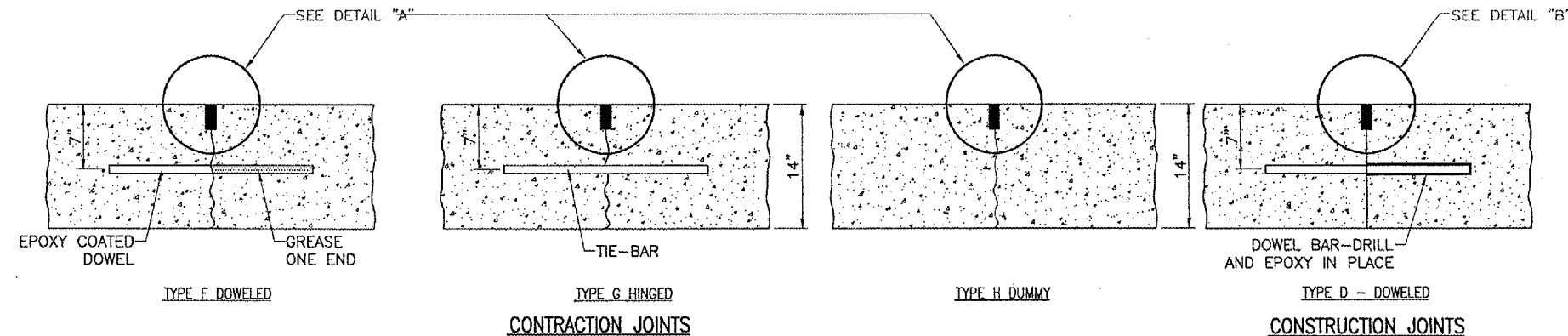
ST. LOUIS REGIONAL AIRPORT

 EAST ALTON, ILLINOIS
 IL. PROJ.: ALN-3348

HEB Project No. 83706APND_0240	
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LAYOUT	JAC 04/14/06
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CONSTRUCT AIRCRAFT
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 JOINTING
 PLAN



JOINTING NOTES

ALL EXPOSED JOINT EDGES SHALL BE EDGED WITH AN APPROVED TOOL HAVING A RADIUS OF 1/4" OR STONED TO PRODUCE THE 1/8" CHAMFER.

ALL LONGITUDINAL AND TRANSVERSE CONTRACTION AND CONSTRUCTION JOINTS SHALL BE SAWEED.

ALL DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY MEANS OF A DOWEL BAR ASSEMBLY WHICH WILL INSURE THAT THEY WILL REMAIN PARALLEL TO THE SURFACE OF THE PAVEMENT AND TO THE CENTERLINES OF THE PAVEMENT LANES. THE DOWEL BAR ASSEMBLIES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. DOWELS FOR THE 14" PAVEMENT SHALL BE 3/4" DIA., 18" LENGTH AND 12" SPACING.

ALL TIE-BARS SHALL BE SECURELY HELD IN PLACE BY SUPPORT PINS OR OTHER METHODS TO PREVENT SHIFTING DURING AND AFTER CONCRETE PLACEMENT. SUPPORT PINS SHALL BE OF SUFFICIENT LENGTH TO PENETRATE AT LEAST 6" INTO THE SUBGRADE.

ALL TIE-BARS SHALL BE PLACED AT A POINT NOT EXCEEDING 15" OR CLOSER THAN 6" FROM A TRANSVERSE, CONTRACTION, EXPANSION, OR CONSTRUCTION JOINT AND SPACED 30" ON CENTERS AND SHALL BE NO. 5 DEFORMED BARS, 30" IN LENGTH.

DOWELS IN TRANSVERSE, CONTRACTION, AND CONSTRUCTION JOINTS SHALL BE EPOXY COATED AND HALF THE LENGTH GREASED WITH A HEAVY GREASE.

ALLOWABLE TOLERANCES FOR GROOVE DEPTH WILL BE +1/8" FOR CONSTRUCTION JOINTS AND + 1/4" FOR CONTRACTION JOINTS.

DOWELS LOCATED IN THE CONSTRUCTION JOINTS WILL BE DRILLED AND EPOXY IN PLACE. THE EPOXY MATERIAL MUST BE APPROVED BY THE ILLINOIS DIVISION OF AERONAUTICS

THE COST OF ALL DOWEL BARS, TIE-BARS, SAWING AND SEALING SHALL BE INCLUDED IN THE COST OF THE P.C.C. PAVEMENT.

PRIOR TO PLACING ADJACENT PAVEMENT SECTIONS, THE VERTICAL EDGE SHALL BE CHECKED FOR TRUENESS IF THE FACE IS BURRED OR IRREGULAR, THE CONTRACTOR SHALL GRIND, STONE OR SAW THE FACE A MINIMUM OF 2" IN DEPTH TO PRODUCE A SMOOTH AND STRAIGHT EDGE.

WHEN CONSTRUCTING "FILL-IN" PAVEMENT LANES THE CONTRACTOR SHALL USE BELTING OR OTHER PROTECTIVE MATERIAL FOR THE PAVING MACHINE TO TRAVEL ON AND WILL ROPE THE TRANSVERSE JOINTS.

JOINT SEALANT SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS ITEM 501-2.5.

CURING COMPOUND WILL BE AS SPECIFIED IN THE SPECIFICATIONS, ITEM 501-3.17 AND SHALL BE APPROVED PRIOR TO THE PAVING OPERATION BY THE ENGINEER.


ALL NON-ALIGNED EDGES WILL BE SAWEED FULL DEPTH.

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BY	
REVISION	
DATE	
ST. LOUIS REGIONAL AIRPORT EAST ALTON, ILLINOIS IL PROJ.: ALN-3348	
Heli Project No. B3706APND_0240 Elevations: R-161.JNT.DWG Scale: NOT TO SCALE Date: 04/14/06	LAYOUT: JAC 04/14/06 DRAWN: BAK 04/14/06 REVIEWED: CAH 05/17/06
HANSON Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2888 Offices Nationwide	
CONSTRUCT AIRCRAFT PARKING APRON PROPOSED JOINTING DETAILS AND NOTES	
11 11 of 28 sheets	

EXISTING T-HANGAR ACCESS ROAD

DATE	REVISION	BY

ST. LOUIS REGIONAL AIRPORT

 EAST ALTON, ILLINOIS
 ILL. PROJ.: ALN-3348

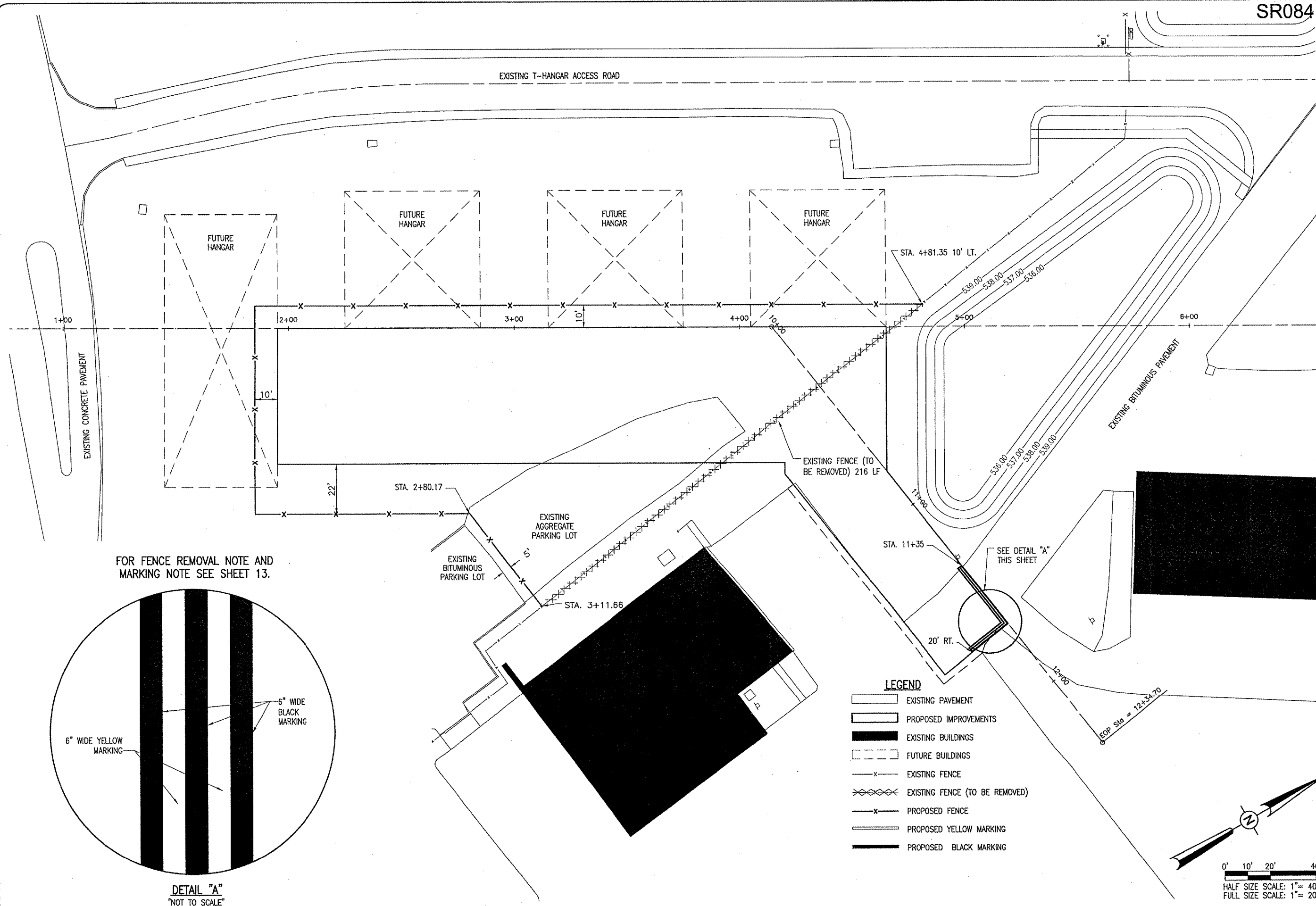
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LAYOUT JAC 04/14/06	
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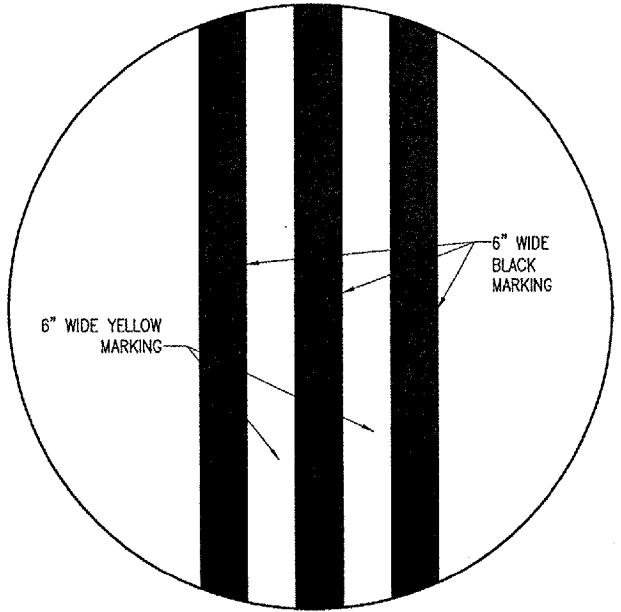
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CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED
 MARKING AND FENCING
 PLAN










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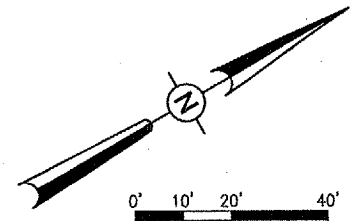


FOR FENCE REMOVAL NOTE AND
 MARKING NOTE SEE SHEET 13.



DETAIL "A"
 "NOT TO SCALE"

- LEGEND**
-  EXISTING PAVEMENT
 -  PROPOSED IMPROVEMENTS
 -  EXISTING BUILDINGS
 -  FUTURE BUILDINGS
 -  EXISTING FENCE
 -  EXISTING FENCE (TO BE REMOVED)
 -  PROPOSED FENCE
 -  PROPOSED YELLOW MARKING
 -  PROPOSED BLACK MARKING



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 PAVEMENT MARKING IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. ALL MARKING WILL BE YELLOW IN COLOR WITH A BLACK OUTLINE. THE PROPOSED PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS.

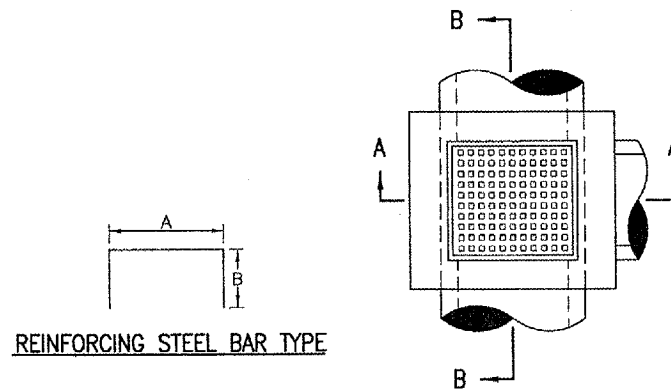
ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.

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.

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

THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:
AR620520 PAVEMENT MARKING-WATERBORNE ____ 126 S.F.



REINFORCING STEEL BAR TYPE

REINFORCING BARS SCHEDULE					
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

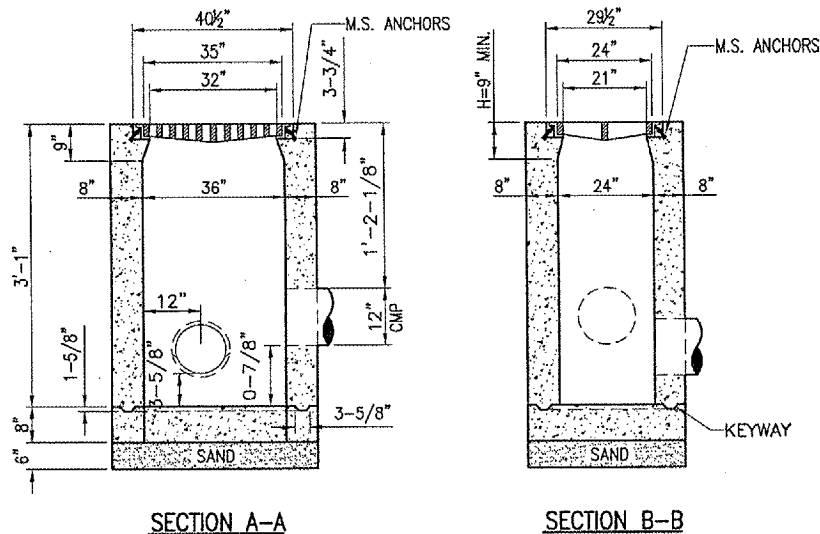
INLET TO BE CONSTRUCTED OF STRUCTURAL P.C. CONCRETE. THE CONTRACT UNIT PRICE PER INLET SHALL INCLUDE THE FRAME, GRATE AND STEPS IN PLACE AND COMPLETE PER UNIT.

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' COST. THE COST OF THE STEPS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EACH INLET.



FENCE REMOVAL NOTES

THE EXISTING FENCE TO BE REMOVED ARE SHOWN ON SHEET 12. THE CONTRACTOR WILL REMOVE THE GATES, FABRIC, BARBED WIRE, POSTS, ETC. AND DISPOSE OF ALL MATERIAL OFF THE AIRPORT SITE.

THE CONTRACTOR WILL FILL ALL HOLES (MADE FROM THE REMOVAL OF THE FENCE) WITH EARTH MATERIAL. THE EARTH MATERIAL WILL BE OBTAINED FROM THE AIRPORT CONSTRUCTION SITE. THE EARTH MATERIAL WILL BE COMPACTED TO PREVENT FUTURE SETTLEMENT.

THE PROPOSED FENCE REMOVAL WILL BE PAID FOR UNDER ITEM:
AR162900 "REMOVE CLASS E FENCE" ____ 216 LIN. FT.

DATE	REVISION	BY

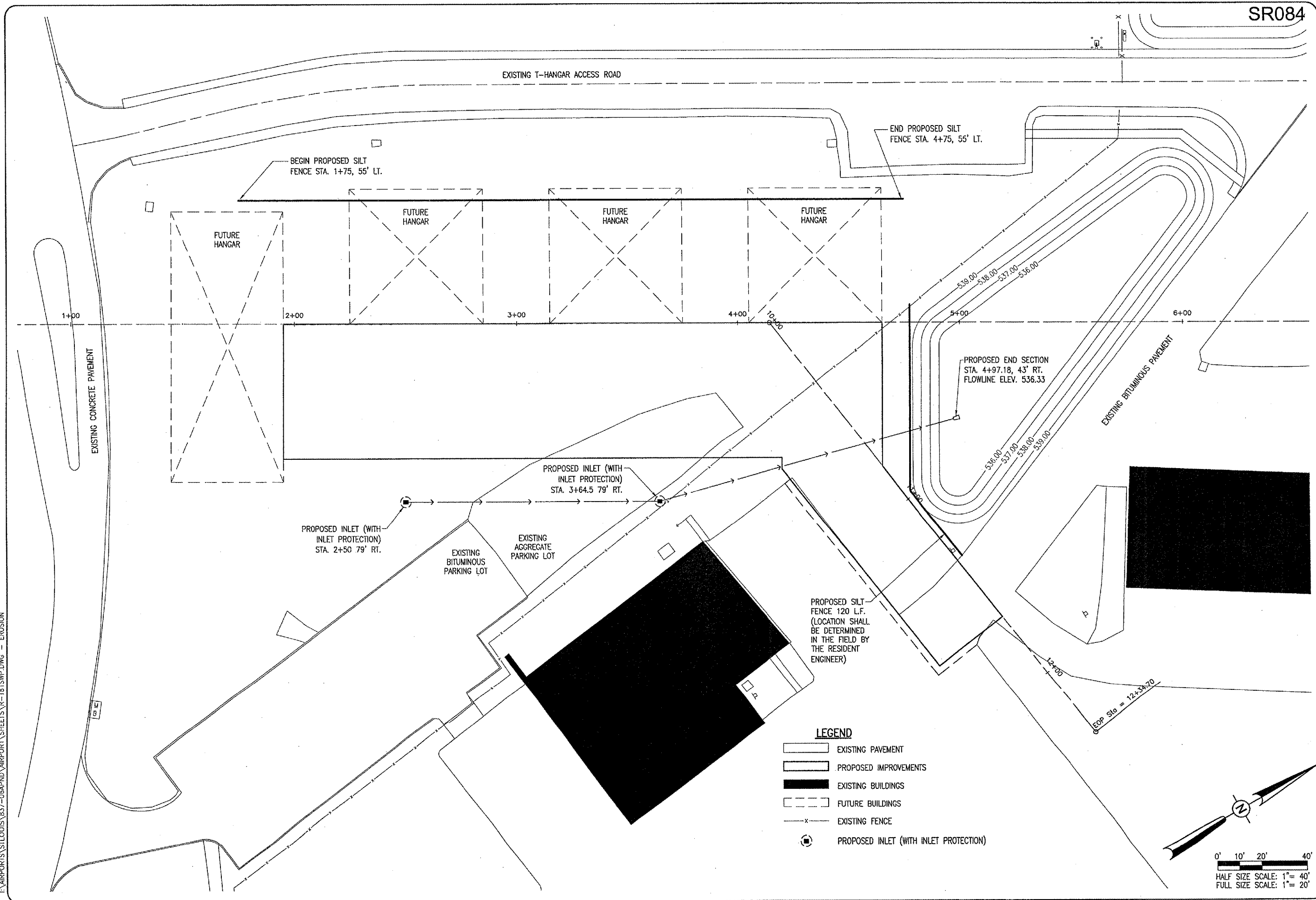
ST. LOUIS REGIONAL AIRPORT

 EAST ALTON, ILLINOIS
 ILL. PROJ.: ALN-3348

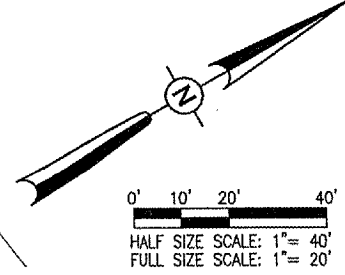
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File Name: R-151MRK.DWG	Drawn: JAC	Reviewed: CAH

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CONSTRUCT AIRCRAFT
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 PROPOSED
 MISCELLANEOUS
 DETAIL AND NOTES



- LEGEND**
- EXISTING PAVEMENT
 - PROPOSED IMPROVEMENTS
 - EXISTING BUILDINGS
 - FUTURE BUILDINGS
 - EXISTING FENCE
 - PROPOSED INLET (WITH INLET PROTECTION)



SR084

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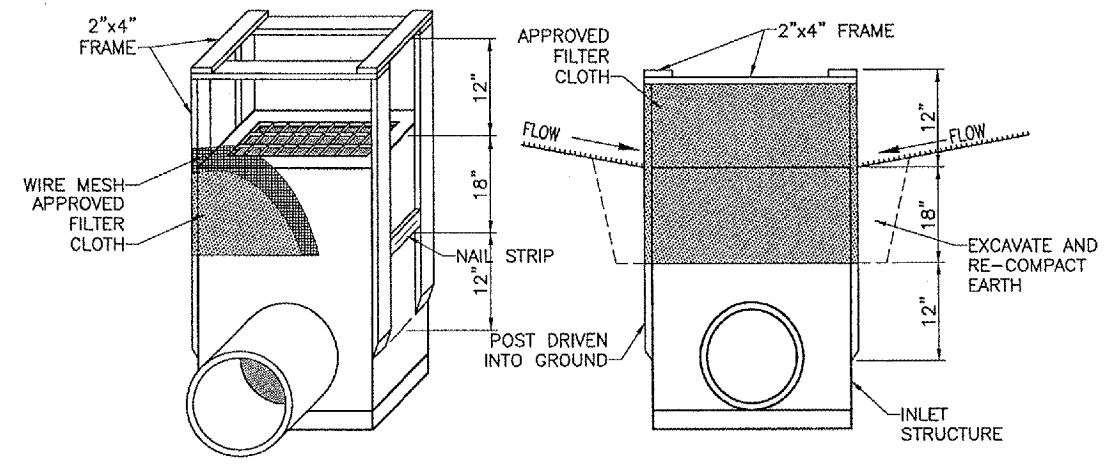
ST. LOUIS REGIONAL AIRPORT

 EAST ALTON, ILLINOIS
 IL PROJ.: ALN-3348

H.E. Project No. 83706APND.0240 Drawing: R-181SWP.DWG Scale: 1"=20' Date: 04/14/06	LAYOUT: JAC 04/14/06 DRAWN: BAK 04/14/06 REVIEWED: CAH 05/17/06
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CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED
 EROSION CONTROL
 PLAN



INLET PROTECTION DETAIL
"NOT TO SCALE"

EROSION CONTROL NOTES

ALL PROPOSED EROSION CONTROL MEASURES SHALL BE COMPLETED AS DETAILED ON THIS EROSION CONTROL PLAN AND IN ACCORDANCE WITH THE SPECIFICATIONS.

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

FILTER FENCE FOR STRUCTURE PROTECTION AS SHOWN ON THIS SHEET.

THE PROPOSED INLET PROTECTION WILL BE PLACED AT THE LOCATIONS SHOWN ON PREVIOUS SHEET.


INSPECTION OF THE INLET PROTECTION SHALL BE FREQUENT AND REPAIR/REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

EROSION CONTROL 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.

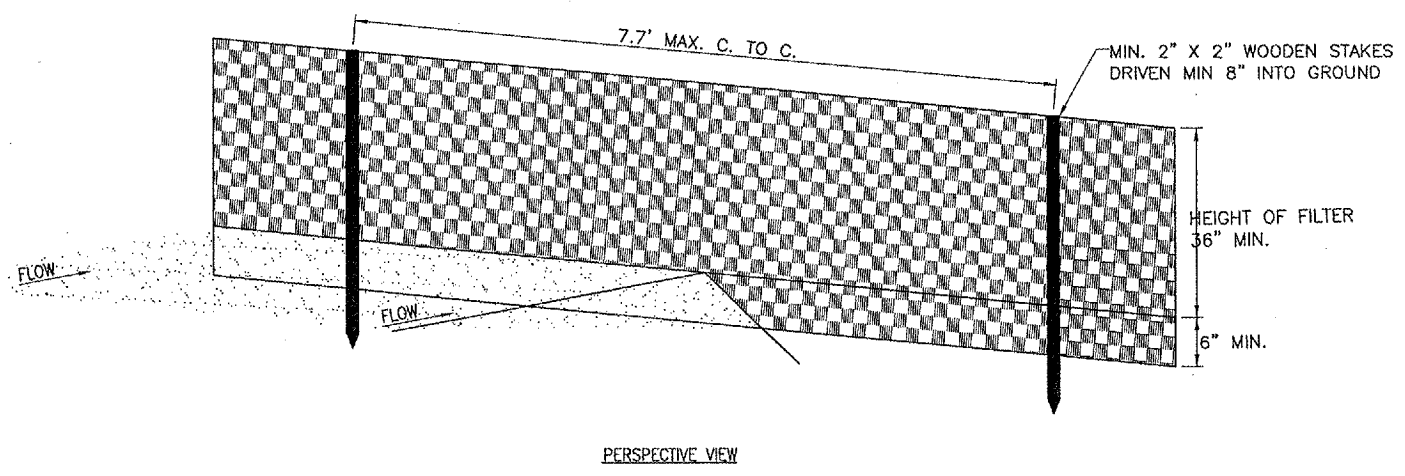
DATE	REVISION	BY

ST. LOUIS REGIONAL AIRPORT

 EAST ALTON, ILLINOIS
 IL PROJ.: ALN-3348

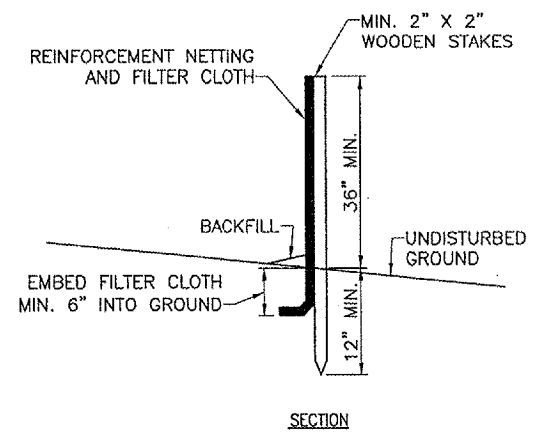
Proj. No. 837064PND_0240	JAC	04/14/06
Rev. R-181SWP.DWG	BAK	04/14/06
Scale NOT TO SCALE	CAH	05/17/06
Date 04/14/06		
LAYOUT		
DRAWN		
REVIEWED		

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

CONSTRUCT AIRCRAFT PARKING APRON
 PROPOSED EROSION CONTROL DETAILS AND NOTES

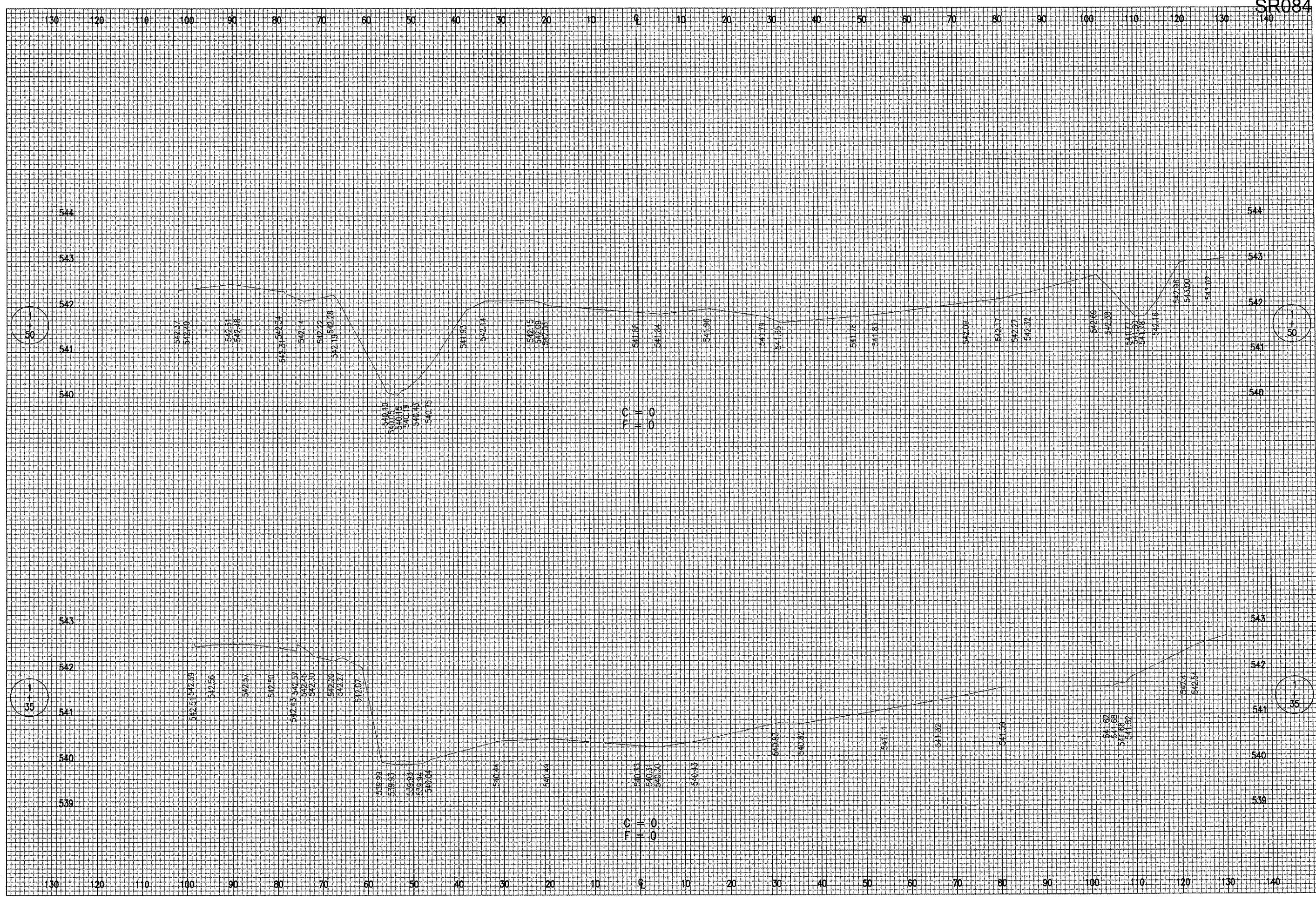


PERSPECTIVE VIEW



SECTION

FILTER FENCE DETAIL
"NOT TO SCALE"



SR084

DATE	REVISION	BY

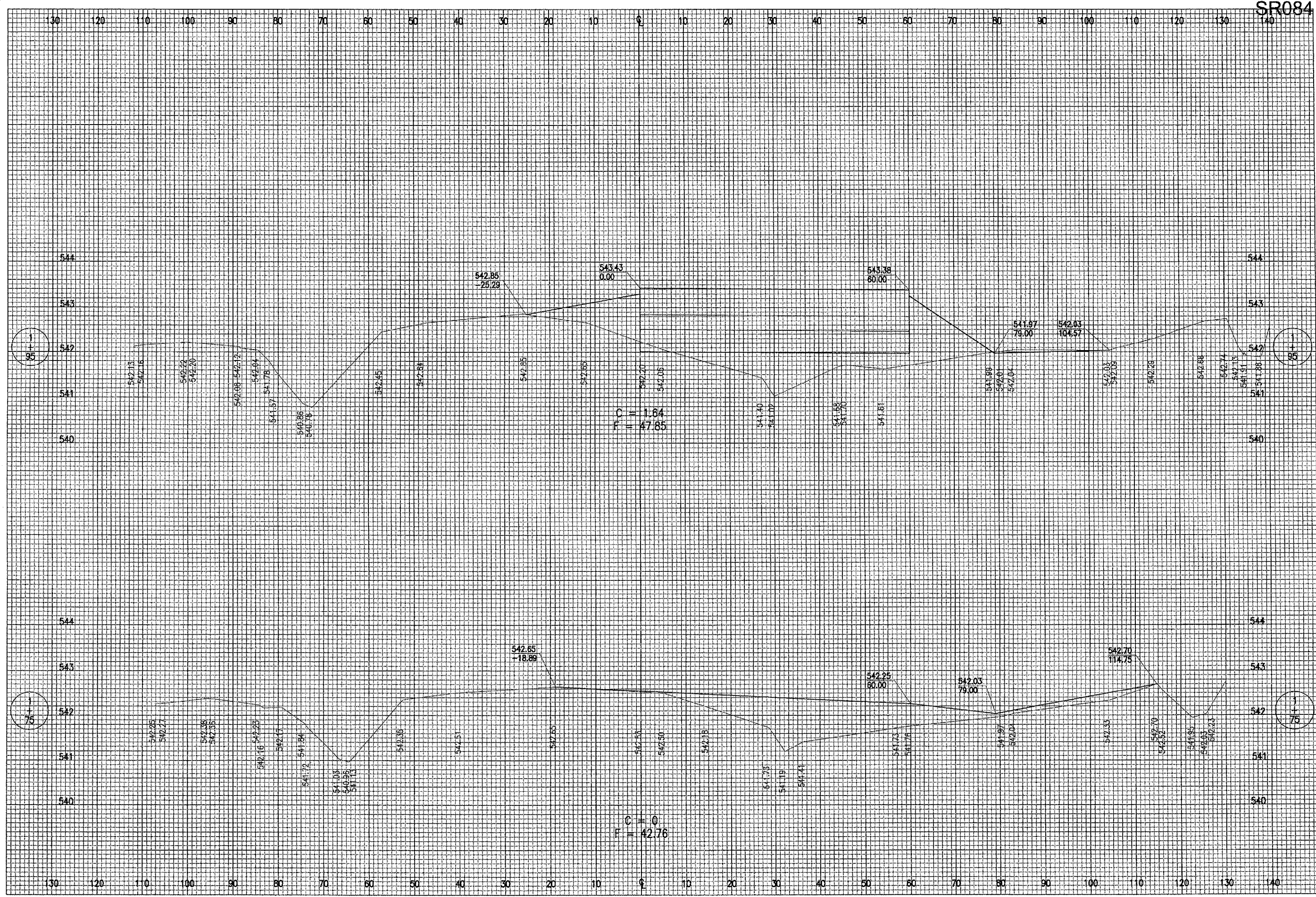
ST. LOUIS REGIONAL AIRPORT
St. Louis Regional
 EAST ALTON, ILLINOIS
 ILL. PROJ.: ALN-3348

I/E Project No. 83706A/PND_0240 Element R-301XS-A.DWG Scale H. 1" = 10' V. 1" = 1' Date 04/27/06		
LAYOUT	JAC	04/14/06
DRAWN	BK	04/27/06
REVIEWED	CAH	05/17/06

HANSON
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CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED CROSS-SECTIONS
 FOR APRON
 STA. 1+35 TO STA. 1+50

SR084



DATE	REVISION	BY

ST. LOUIS REGIONAL AIRPORT

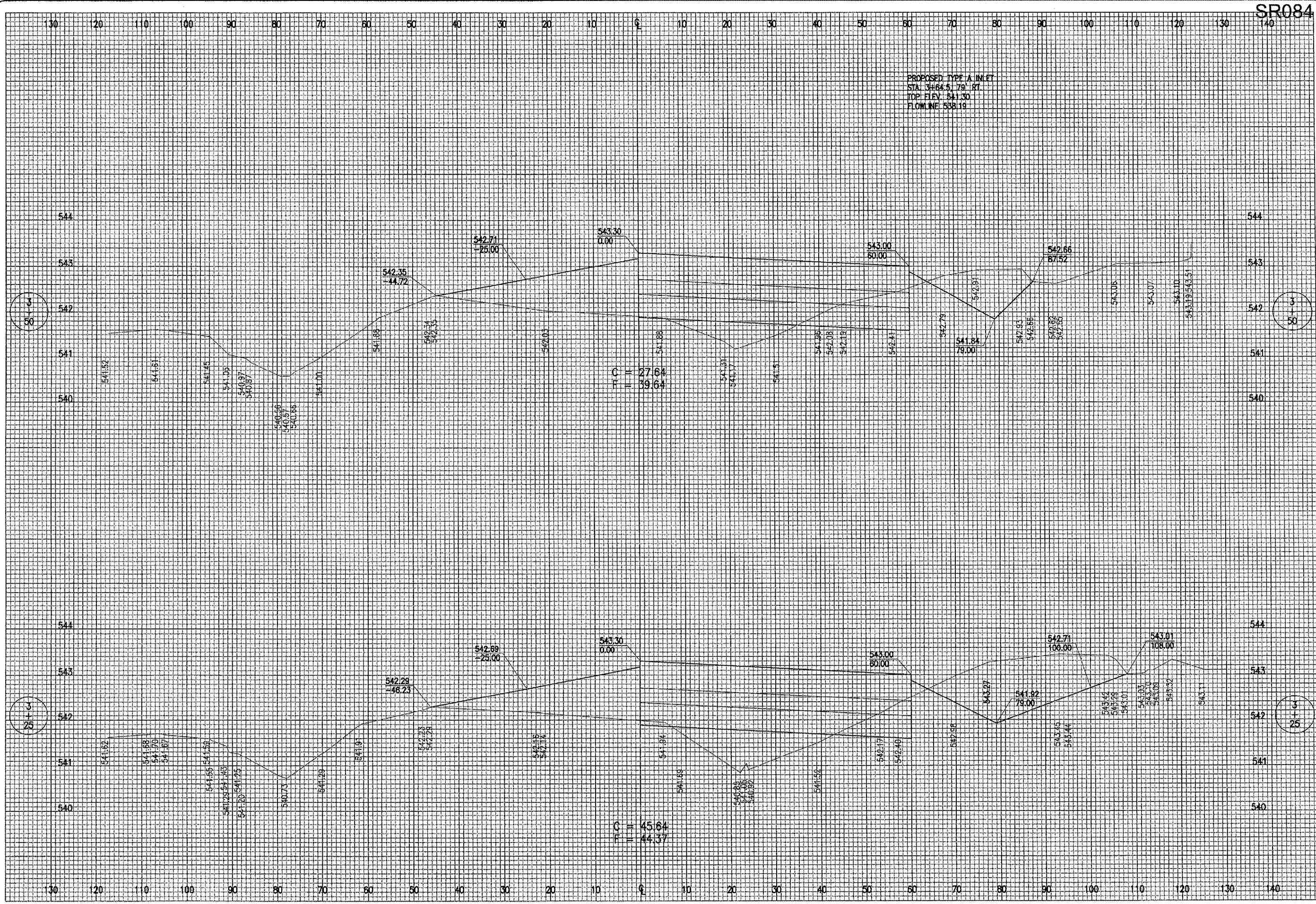
 EAST ALTON, ILLINOIS
 IL PROJ.: ALN-3348

ILL. Project No. 83706APND 0240 Filename: R-302XS-A.DWG Scale: H, 1" = 10' V, 1" = 1' Date: 04/27/06	LAYOUT JAC 04/14/06 DRAWN BAK 04/27/06 REVIEWED CAH 05/17/06
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CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED CROSS-SECTIONS
 FOR APRON
 STA. 1+75 TO STA. 1+95



DATE	REVISION	BY

ST. LOUIS REGIONAL AIRPORT

 EAST ALTON, ILLINOIS
 ILL. PROJ.: ALN-3348

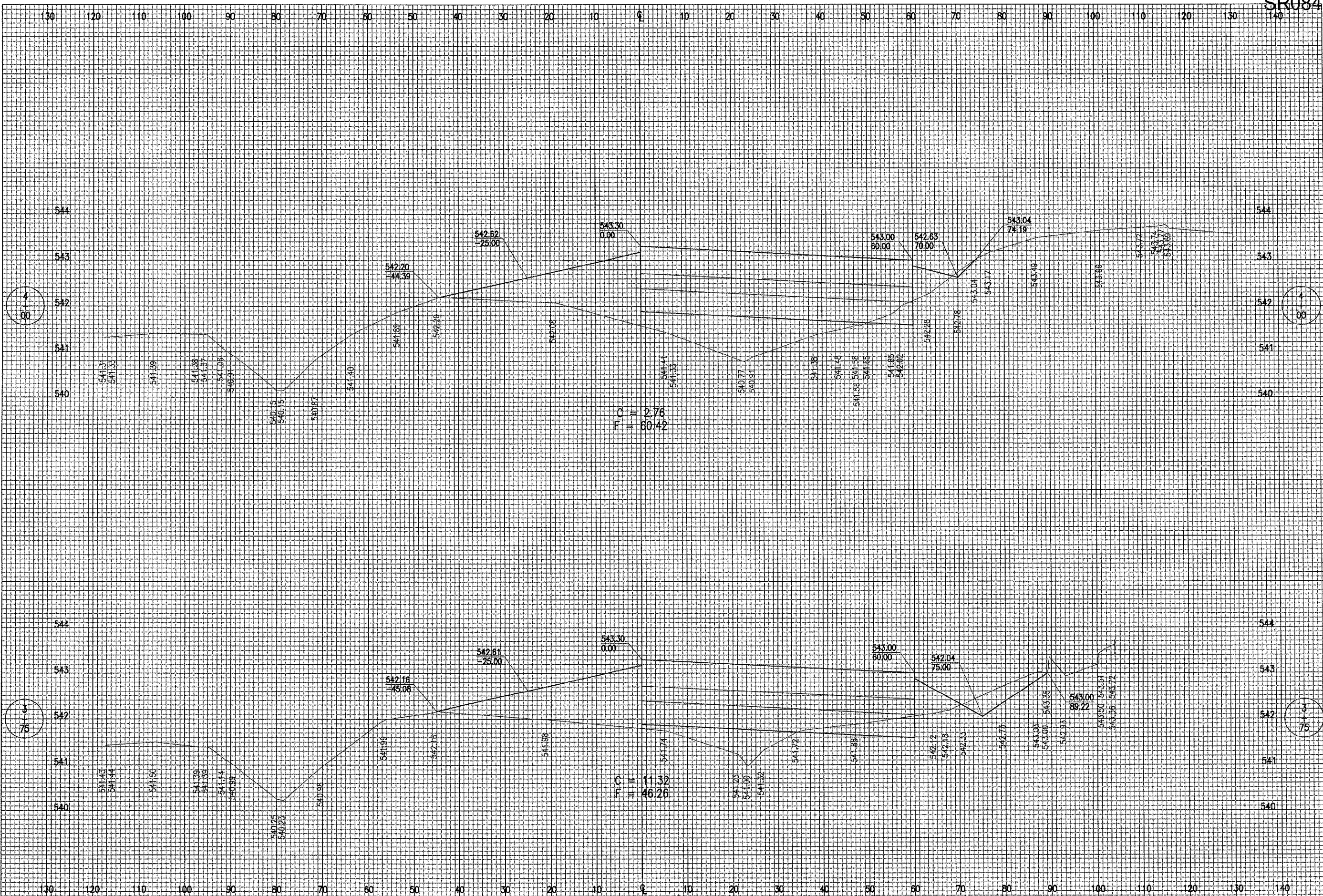
I&E Project No. 83706/APND 0240 Designer R-305XS-A.DWG Scale H. 1" = 10' V. 1" = 1' Date 04/27/06	
LAYOUT	JAC 04/14/06
DRAWN	BAK 04/27/06
REVIEWED	CAH 05/17/06

HANSON

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 Springfield, Illinois 62705-2886
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CONSTRUCT AIRCRAFT PARKING APRON
 PROPOSED CROSS-SECTIONS FOR APRON
 STA. 3+25 TO STA. 3+50

SR084



C = 2.76
 F = 60.42

F = 11.32
 F = 46.26

DATE	REVISION	BY

ST. LOUIS REGIONAL AIRPORT

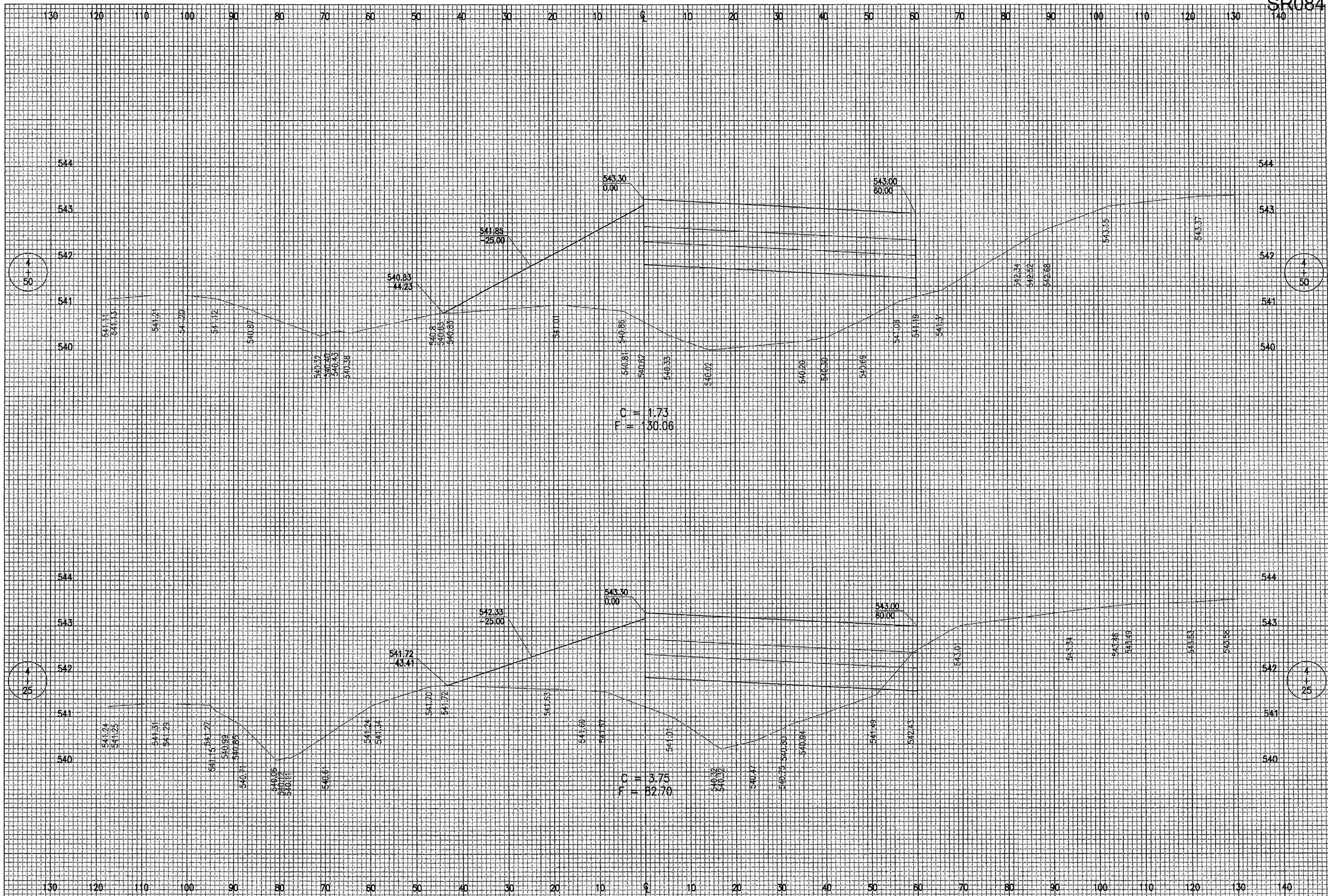
 EAST ALTON, ILLINOIS
 IL PROJ.: ALN-3348

Heli Project No. 83708APND_0240 Filename: R-308XS-A.DWG Scale: H. 1" = 10' V. 1" = 1' Date: 04/27/06	LAYOUT DRAWN: JAC REVIEWED: CAH	04/14/06 04/27/06 05/17/06
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CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED CROSS-SECTIONS
 FOR APRON
 STA. 3+75 TO STA. 4+00

SR084



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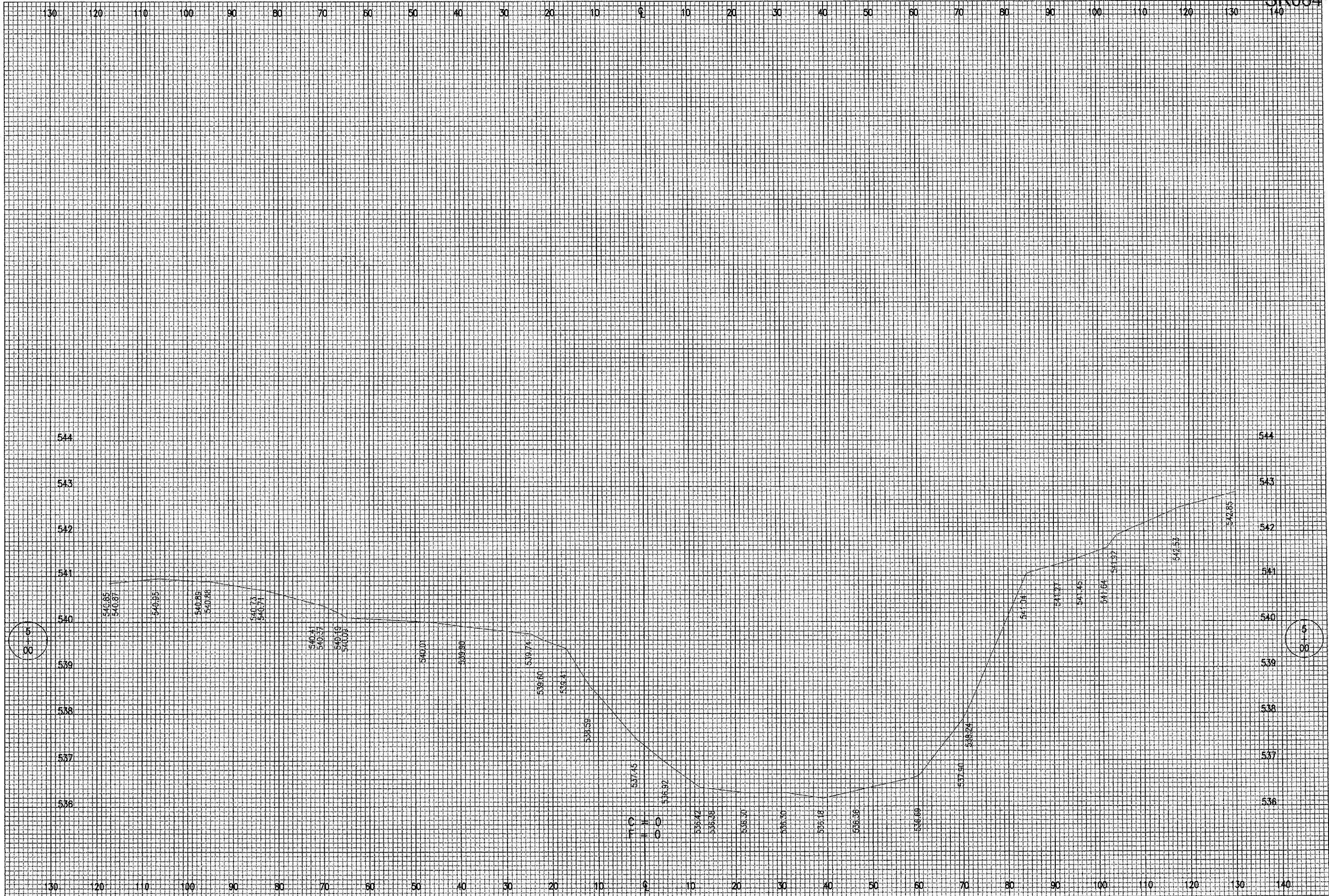
ST. LOUIS REGIONAL AIRPORT

 EAST ALTON, ILLINOIS
 IL PROJ.: ALN-3348


HD Project No. 83708APND 0240 Flavour R-307XS-A.DWG Scale H. 1" = 10' V. 1" = 1' Date 04/27/06	LAYOUT JAC 04/14/06 DRAWN BAK 04/27/06 REVIEWED CAH 05/17/06
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Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2896
 Offices Nationwide

CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED CROSS-SECTIONS
 FOR APRON
 STA. 4+25 TO STA. 4+50



DATE	REVISION	BY

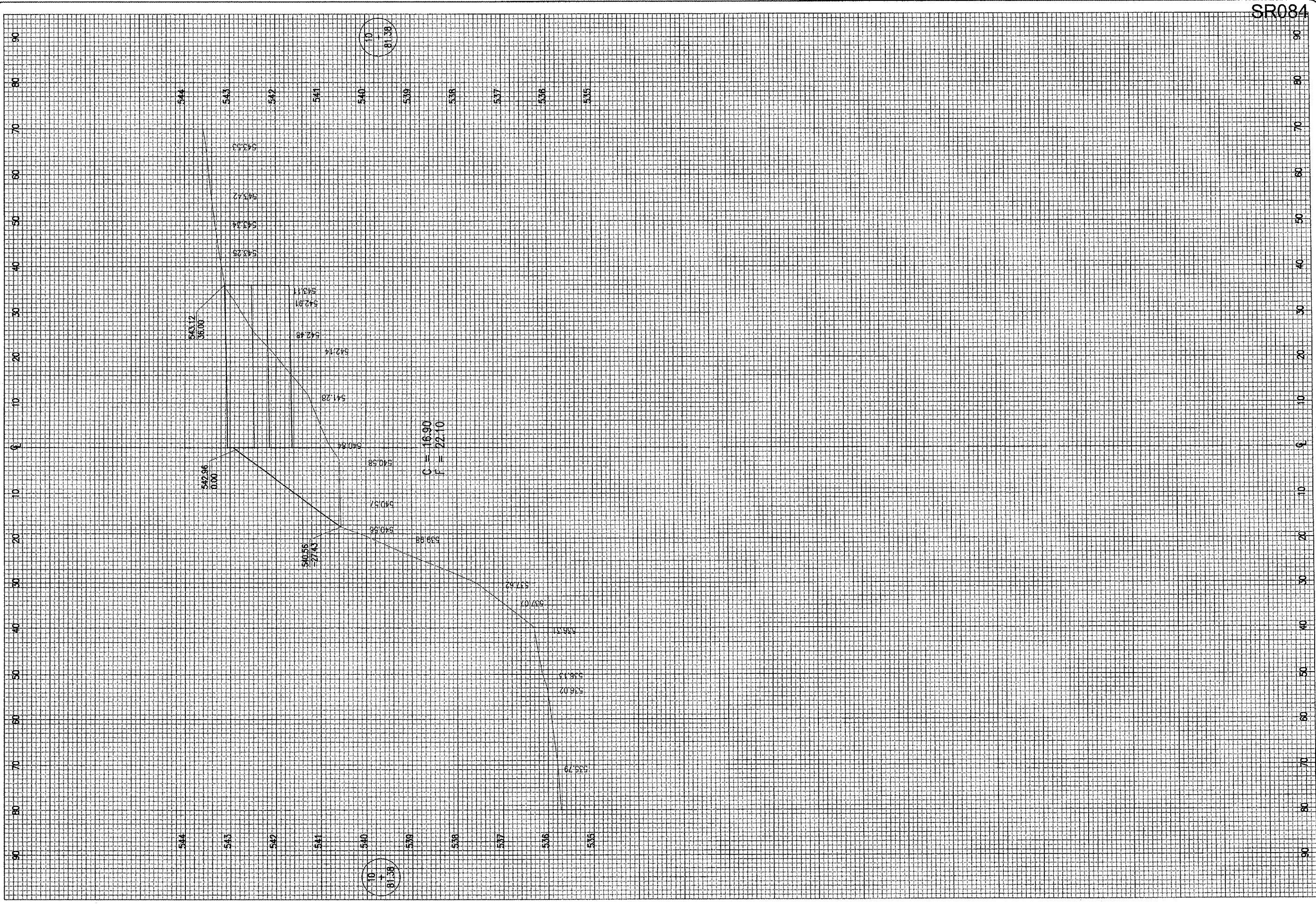
ST. LOUIS REGIONAL AIRPORT

 EAST ALTON, ILLINOIS
 IL. PROJ.: ALN-3348

HD Project No. 83706APND_0740 Drawing R-309XS-A.DWG Scale H. 1" = 10' V. 1" = 1' Date 04/27/06	LAYOUT JNC 04/14/06 DRAWN BAK 04/27/06 REVIEWED CAH 05/17/06
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HANSON

 Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62705-2806
 Offices Nationwide

CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED CROSS-SECTIONS
 FOR APRON
 STA. 5+00



SR084

DATE	REVISION	BY

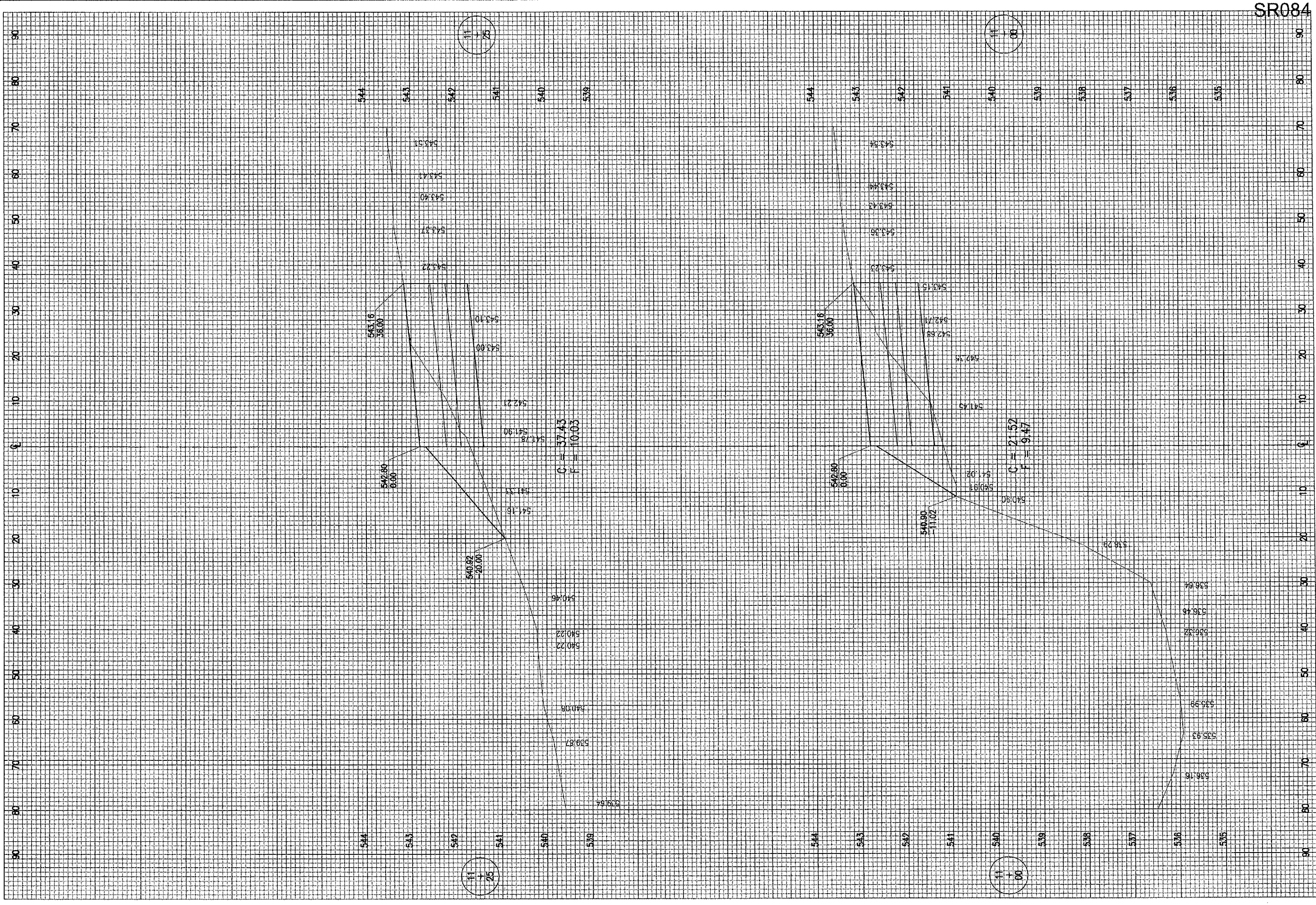
ST. LOUIS REGIONAL AIRPORT

 EAST ALTON, ILLINOIS
 IL PROJ.: ALN-3348

RE Project No. 63706APND_0240 Filename R-301XS-B.DWG Scale H. 1" = 10' V. 1" = 1' Date 04/27/06	LAYOUT JAC 04/14/06 DRAWN BAK 04/27/06 REVIEWED CAH 05/17/06
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CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED CROSS-SECTIONS
 FOR APRON ACCESS
 STA. 10+81.38




SR084

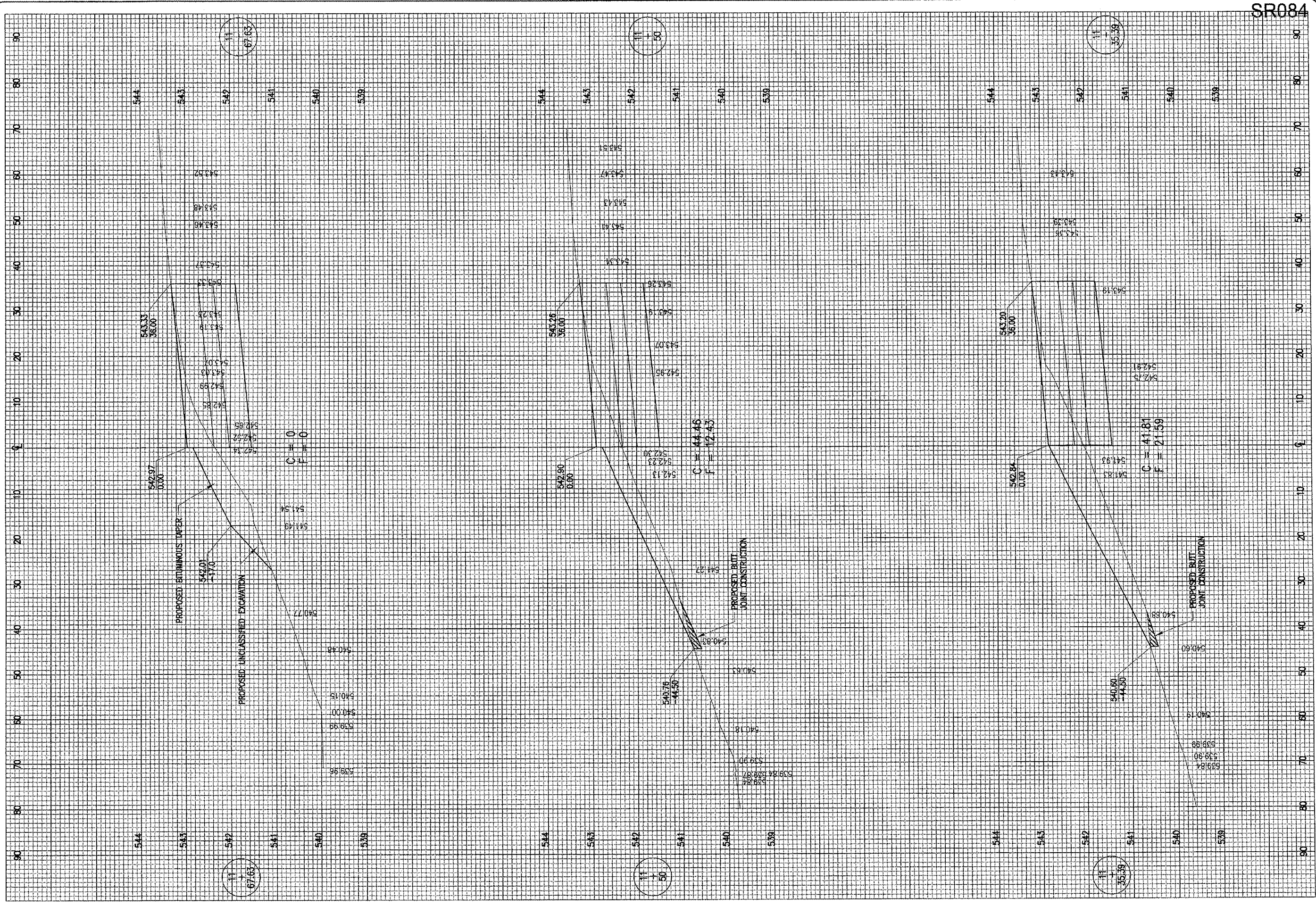
DATE	REVISION	BY

ST. LOUIS REGIONAL AIRPORT

 EAST ALTON, ILLINOIS
 IL PROJ.: ALN-3348

H&E Project No. 83706A/PND_0240 Filenams R-302XS-B.DWG Scale H. 1" = 10' V. 1" = 1' Date 04/27/06	LAYOUT JAC 04/14/06 DRAWN BAK 04/27/06 REVIEWED CAH 05/17/06
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HANSON

 Hanson Professional Services Inc.
 10500 South Main Street
 Springfield, Illinois 62703-2686
 Offices Nationwide

CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED CROSS-SECTIONS
 FOR APRON ACCESS
 STA. 11+00 TO STA. 11+25



SR084

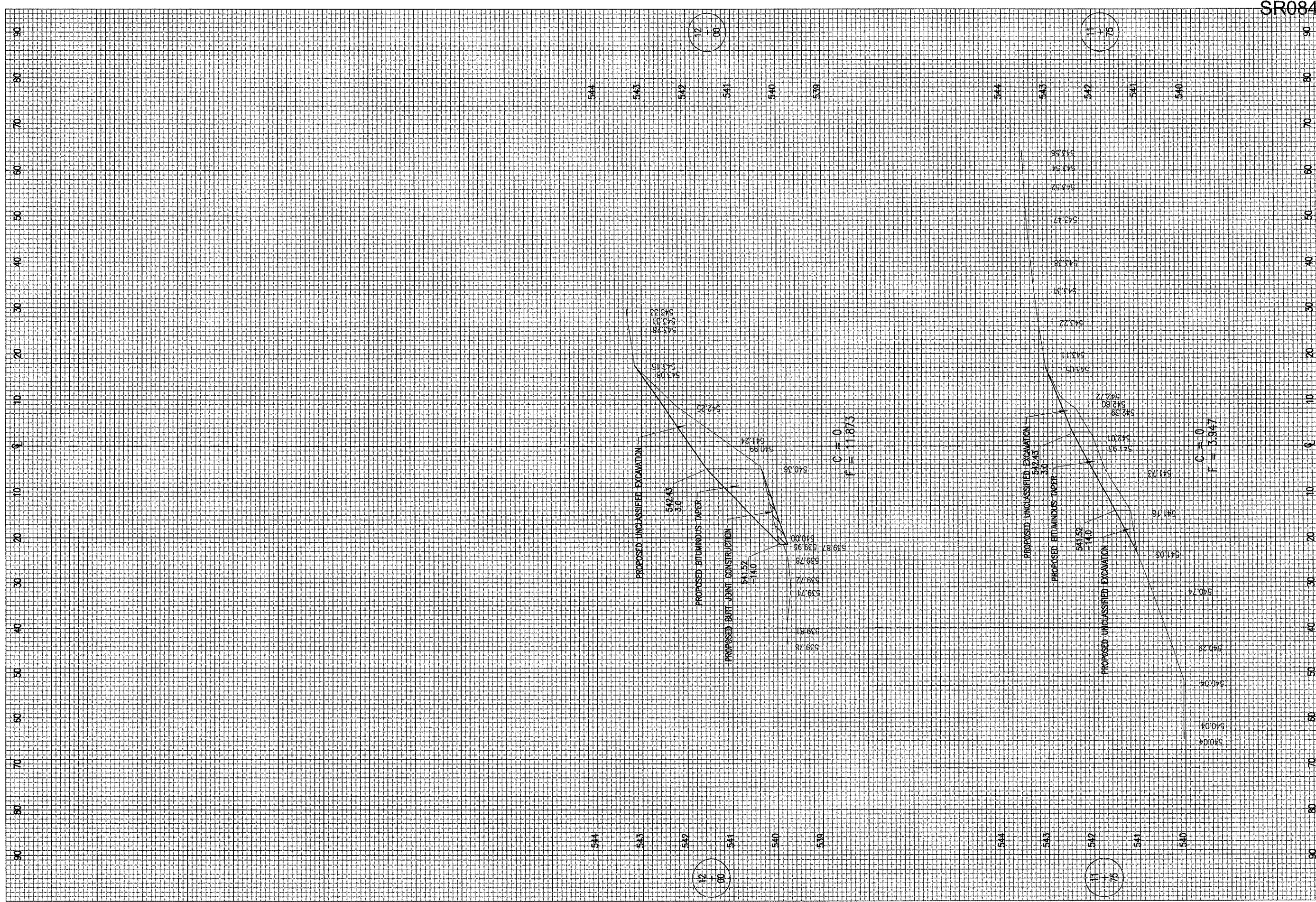
DATE	REVISION	BY

ST. LOUIS REGIONAL AIRPORT
 EAST ALTON, ILLINOIS
 ILL. PROJ.: AIN-3348

Project No. 83706APND_0240	Drawn JAC	Date 04/27/06
Filename R-303XS-B.DWG	Checked BAK	Scale H, 1" = 10' V, 1" = 1'
Scale H, 1" = 10' V, 1" = 1'	Reviewed BAK	Drawn BAK
Date 04/27/06		
LAYOUT	JAC	04/14/06
DRAWN	BAK	04/27/06
REVIEWED	BAK	05/17/06




CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED CROSS-SECTIONS
 FOR APRON ACCESS
 STA. 11+35.39 TO STA. 11+67.63



SR084

REVISION	DATE	BY

ST. LOUIS REGIONAL AIRPORT

 EAST ALTON, ILLINOIS
 I.L. PROJ.: ALN-3346

HD Project No. 83706APND_0240 Filename: R-304XS-B.DWG Scale: H. 1" = 10' V. 1" = 1' Date: 04/27/06	LAYOUT JAC 04/14/06 DRAWN BAK 04/27/06 REVIEWED CAH 05/17/06
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HANSON

 Hanson Professional Services Inc.
 1626 South State Street
 Springfield, IL 62703-2688
 Offices Nationwide

CONSTRUCT AIRCRAFT
 PARKING APRON
 PROPOSED CROSS-SECTIONS
 FOR APRON ACCESS
 STA. 11+75 TO STA. 12+00