

# CONSTRUCTION PLANS

FOR

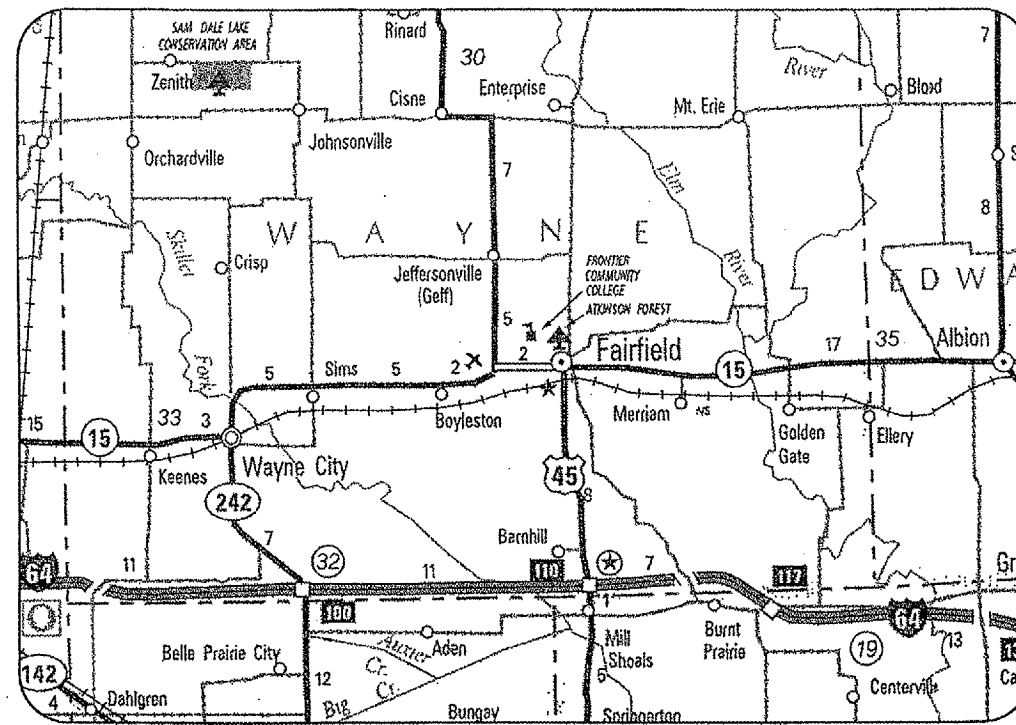
## FAIRFIELD MUNICIPAL AIRPORT

FAIRFIELD, WAYNE COUNTY, ILLINOIS

### POROUS FRICTION COURSE ON RUNWAY 18-36, TAXIWAYS AND APRON

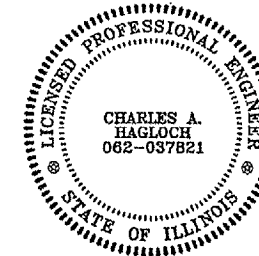
SCOPE OF WORK

THIS PROJECT CONSISTS OF THE REHABILITATION OF RUNWAY 18-36, THE PARTIAL PARALLEL TAXIWAY, THE CROSS-OVER TAXIWAY AND THE AIRCRAFT PARKING APRON. REHABILITATION SHALL CONSIST OF BITUMINOUS PAVEMENT REPAIRS, APPLICATION OF A POROUS FRICTION COURSE (0.10' IN DEPTH) AND REMARKING.



### LOCATION

ILL. PROJ.: FWC-3547  
A.I.P. PROJ.: 3-17-0043-B9  
LATITUDE: 38° 22' 43"  
LONGITUDE: 88° 24' 46"  
ELEVATION: 436.0' M.S.L.  
DATE: MAY 26, 2006



Hanson Professional Services Inc.

Submitted by: *Charles A. Hagloch* ENG'R  
Date Submitted: *June 30, 2006*  
Lic. Exp. Date: *Nov. 30, 2007*

CITY OF FAIRFIELD

Approved: *Wayne M. Borch* MAYOR  
Date: *6/30/06*

DATE	REVISION

FAIRFIELD MUNICIPAL AIRPORT  
FAIRFIELD, ILLINOIS

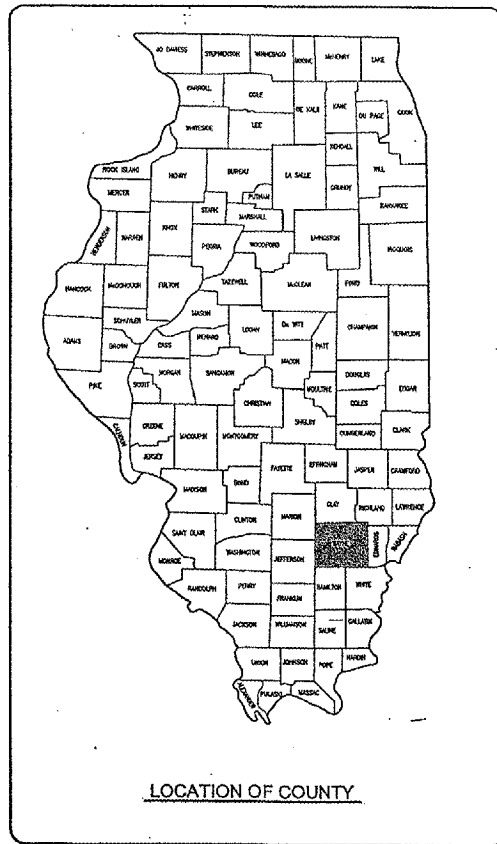
ILL. PROJ. NO.	DATE	BY
805-06RWYD_0800	05/03/06	MDR
R-001CVR.DWG	05/03/06	MDR
N/A	05/03/06	CAH
05/03/06		



Hanson Professional Services Inc.  
1526 South Sixth Street  
Springfield, Illinois 62703-2886  
Offices Nationwide

RUNWAY 18-36  
P.F.C. OVERLAY

COVER SHEET



LOCATION OF COUNTY

FA003

DATE	REVISION	BY

**SUMMARY OF QUANTITIES**

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR152480	SHOULDER ADJUSTMENT	S.Y.	1,283	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	328	
AR401910	REMOVE & REPLACE BIT. PAVEMENT	S.Y.	1,611	
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	21,485	
AR501551	PCC BUTT JOINT	S.Y.	159	
AR510940	ADJUST TIE DOWN	EA	18	
AR603510	BITUMINOUS TACK COAT	GAL	5,371	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	8,423	
AR625510	TAR EMULSION SEAL COAT	S.Y.	366	
AR901510	SEEDING	AC.	0.3	
AR908520	EXCELSIOR BLANKET	S.Y.	1,283	

**INDEX TO SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	PROPOSED CONSTRUCTION PLAN FOR RUNWAY 18-36 STA. 1+00 TO STA. 21+00
5	PROPOSED CONSTRUCTION PLAN FOR TAXIWAY "A" STA. 12+43 TO STA. 21+50
6	PROPOSED TYPICAL SECTIONS
7	PROPOSED MARKING PLAN FOR RUNWAY 18-36 STA. 1+00 TO STA. 21+00
8	PROPOSED MARKING PLAN FOR TAXIWAY "A" STA. 12+43 TO STA. 21+50
9	PROPOSED MARKING DETAILS
10	PROPOSED GRADING AND SEEDING PLAN FOR RWY. 18-36 STA. 1+00 TO STA. 21+00
11	PROPOSED GRADING AND SEEDING PLAN FOR TXY. "A" STA. 12+43 TO STA. 21+50

**FAIRFIELD MUNICIPAL AIRPORT  
 FAIRFIELD, ILLINOIS**

IL PROJ.: FWC-3547 A.I.P. PROJ.: 3-17-0043-B9

ILL. Project No. 805-06RWYD_0800 Drawing No. R-002FLP.DWG Scale: N/A Date: 05/03/06	LAYOUT DRAWN MDR REVIEWED CAH	05/03/06 05/03/06 05/26/06
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Hanson Professional Services Inc.  
 1555 S. Main Street  
 Springfield, Illinois 62703-2688  
 Offices Nationwide

**RUNWAY 18-36  
 P.F.C. OVERLAY**

**SUMMARY OF QUANTITIES  
 AND  
 INDEX TO SHEETS**

**2**

**SCOPE OF WORK**

THIS PROJECT CONSISTS OF THE REHABILITATION OF RUNWAY 18-36, THE PARTIAL PARALLEL TAXIWAY, THE CROSS-OVER TAXIWAY AND THE AIRCRAFT PARKING APRON. REHABILITATION SHALL CONSIST OF CRACK CLEANING AND SEALING, PAVEMENT REPAIR, APPLICATION OF A POROUS FRICTION COURSE (0.10' DEEP) AND RE-MARKING.

**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**

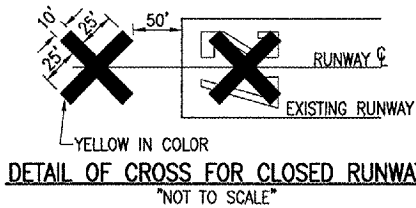
THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A DUMP TRUCK.

**HAUL ROUTE AND VEHICLE PARKING**

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND PARKING AREA AS SHOWN ON THIS SHEET. THE PROPOSED PARKING AREA WILL BE 200' X 200'. 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. RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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.



**NOTE:**

COST OF CONSTRUCTING, PLACING, MAINTAINING AND REMOVING CROSSES WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CROSSES WILL BE YELLOW IN COLOR AND SHALL BE MADE OF A SUITABLE MATERIAL AS APPROVED BY THE AIRPORT MANAGER. THE CROSSES WILL BE PLACED OVER THE NUMERALS AND SECURED IN A MANNER APPROVED BY THE MANAGER. THE PROPOSED CROSSES WILL BE PLACED EACH DAY THE RUNWAY IS CLOSED AND REMOVED WHEN THE RUNWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**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.

ALL WORK PERFORMED SHALL BE DONE IN A ORDERLY AND EFFECTIVE MANNER TO MINIMIZE RUNWAY CLOSURE.

**J.U.L.I.E. INFORMATION**

COUNTY WAYNE  
 CITY FAIRFIELD  
 TOWNSHIP BIG MOUND  
 SECTION NO. 3  
 ADDRESS FAIRFIELD MUNICIPAL AIRPORT  
 ROUTE 45  
 FAIRFIELD, ILLINOIS 62837

**FA003**

**CRITICAL POINT DATA**

LATITUDE: 38° 22' 42.461"  
 LONGITUDE: 88° 24' 27.334"  
 ELEVATION: 413.95 M.S.L.

**PROPOSED SAFETY PLAN**

GENERAL - THE FAIRFIELD MUNICIPAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PROPOSED CONSTRUCTION WILL NECESSITATE CLOSING BOTH RUNWAYS. RUNWAY 18-36 WILL BE CLOSED AT THE START OF THIS PROJECT AND WILL REMAIN CLOSED THROUGHOUT THE DURATION OF THIS PROJECT. THE CONTRACTOR WILL ATTEMPT TO HAVE THE RUNWAY AND TAXIWAYS IN A CONDITION THAT WOULD ALLOW AIRCRAFT TO TAXI OVER THEM AT THE END OF THE CONSTRUCTION DAY. REPAIR AREAS SHALL NOT REMAIN OPEN FOR MORE THAN 48 HOURS. THE TAXIWAYS WILL BE CLOSED WHENEVER THE CONTRACTOR IS WORKING ON THEM. RUNWAY 9-27 WILL BE CLOSED WHEN THE CONTRACTOR IS WORKING ON RUNWAY 18-36 BETWEEN STATION 1+00 AND STATION 5+00. THE CONTRACTOR WILL EXPEDITE ALL CONSTRUCTION ACTIVITIES WITHIN THIS AREA IN ORDER TO LIMIT THE AMOUNT OF TIME RUNWAY 9-27 IS CLOSED. ALL PAVEMENT EXCAVATION WILL BE FILLED AT THE END OF EACH DAY IN THIS AREA. RUNWAY 9-27 WILL NOT BE CLOSED BETWEEN THE HOURS OF 7 P.M. TO 7 A.M. AT THE END OF EACH CONSTRUCTION DAY THE CONTRACTOR WILL SMOOTH GRADE ALL AREAS WITHIN THE SAFETY AREA TO THE SATISFACTION OF THE RESIDENT ENGINEER. 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 WILL GIVE THE AIRPORT MANAGER A 24 HOUR NOTICE BEFORE HE IS GOING TO CLOSE ANY RUNWAYS. THIS WILL ALLOW THE AIRPORT MANAGER TO CALL IN AND ISSUE NOTAMS.

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 (123.05 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE FAIRFIELD 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.

**150-ENGINEER'S FIELD OFFICE NOTES**

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE FURNISHED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH ITEM AR150510 "ENGINEER'S FIELD OFFICE" AS STATED ON PAGE 168 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE LOCATION OF THE PROPOSED ENGINEER'S FIELD OFFICE 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.

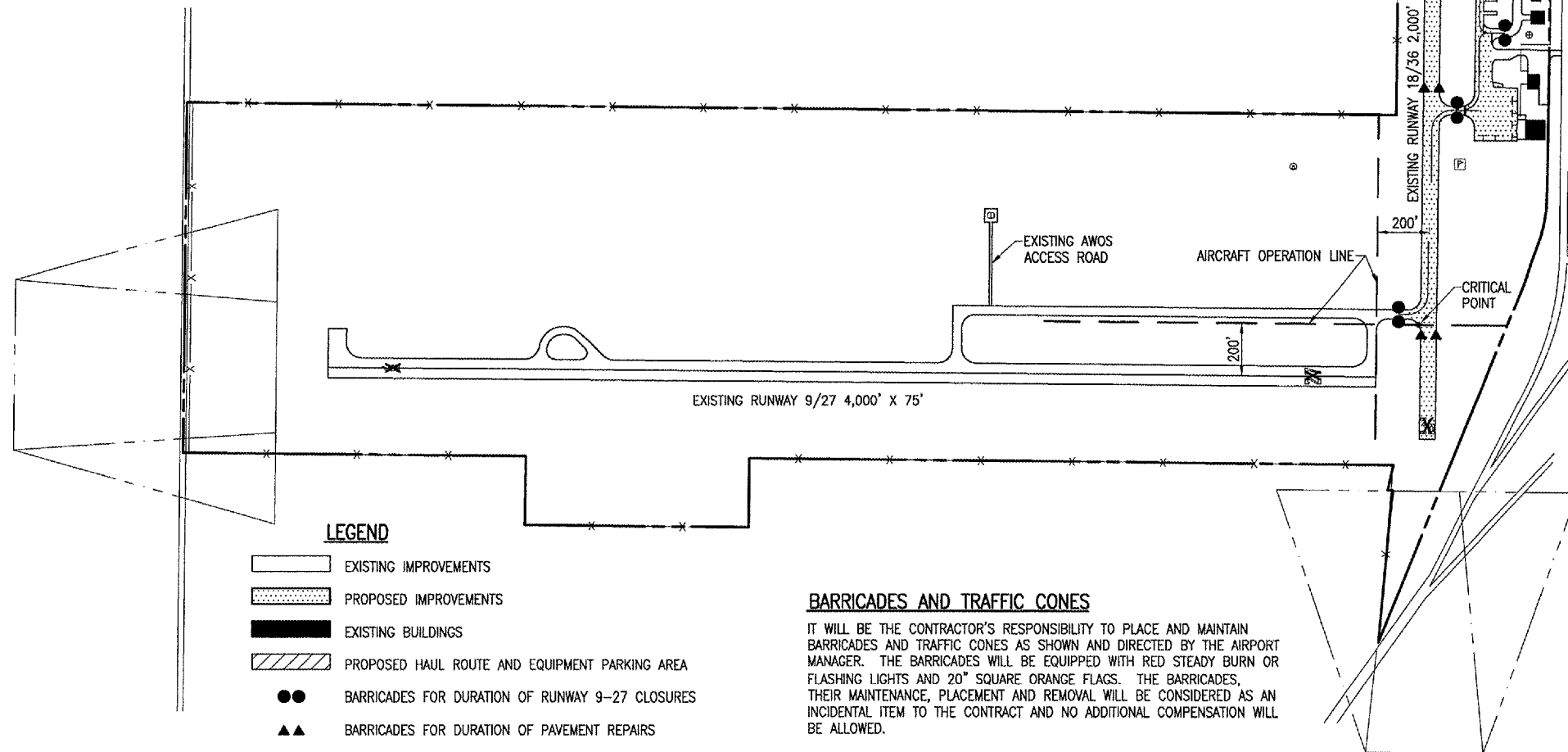
THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE PAID FOR UNDER ITEMS: AR150510 ENGINEER'S FIELD OFFICE 1 L.S.

**AIRCRAFT OPERATION LINE**

THE CONTRACTOR WILL LOCATE THIS LINE AT THE START OF CONSTRUCTION AND WILL PLACE FLAGGED LATHE EVERY 150' ALONG IT. THIS LINE WILL BE THE LIMITS THAT ALL CONTRACTOR PERSONNEL MAY VENTURE WHEN A RUNWAY IS NOT CLOSED. THE CONTRACTOR WILL MAINTAIN THE LATHE LINE FOR RUNWAYS.

**EROSION CONTROL**

THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF LAND, THEREFORE NO N.P.D.E.S. PERMIT WILL BE REQUIRED.



**LEGEND**

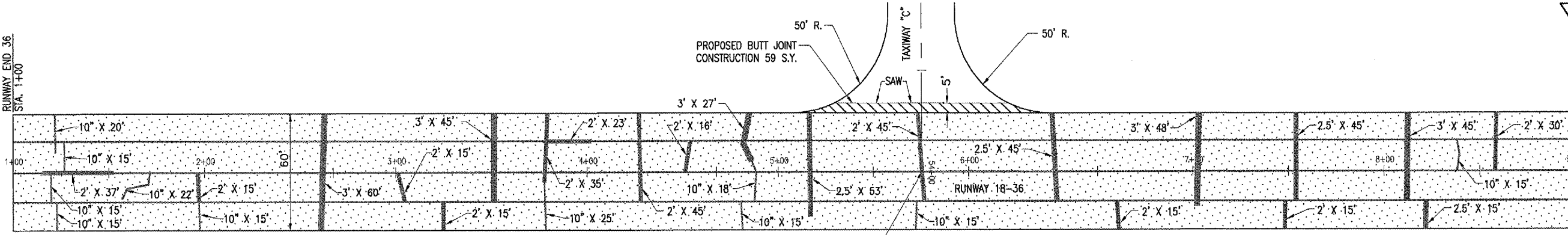
- EXISTING IMPROVEMENTS
- PROPOSED IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
- BARRICADES FOR DURATION OF RUNWAY 9-27 CLOSURES
- BARRICADES FOR DURATION OF PAVEMENT REPAIRS

**BARRICADES AND TRAFFIC CONES**

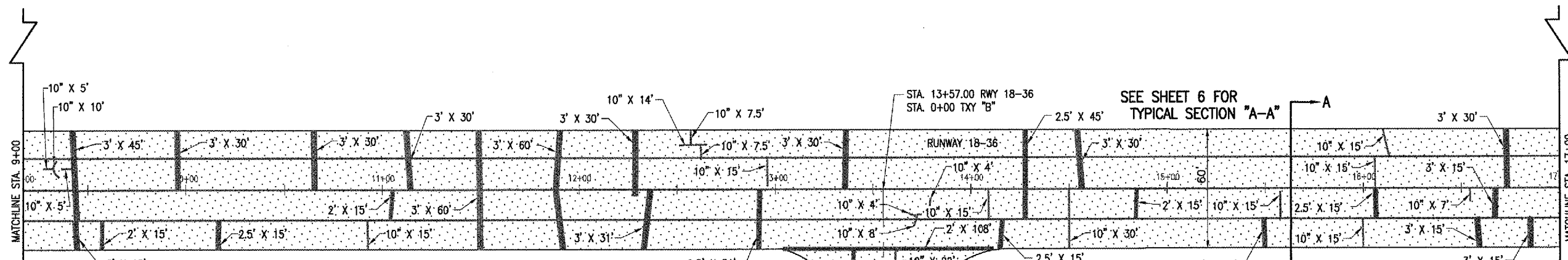
IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS SHOWN AND DIRECTED BY THE AIRPORT MANAGER. THE BARRICADES WILL BE EQUIPPED WITH RED STEADY BURN OR FLASHING LIGHTS AND 20" SQUARE ORANGE FLAGS. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL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

BY	
REVISION	
DATE	
<b>FAIRFIELD MUNICIPAL AIRPORT FAIRFIELD, ILLINOIS</b>	
IL PROJ. NO. 0043-88	A.I.P. PROJ. 3-17-0043-88
IL PROJ. NO. 805-08RMYD 0800	
FILE NO. R-003SEY.DWG	
SCALE 1"=300'	
DATE 05/03/06	
LAYOUT MDR	05/03/06
DRAWN MDR	05/03/06
REVIEWED CAH	05/26/06
<b>HANSON</b> Hanson Professional Services Inc. 1526 South State Street Springfield, Illinois 62768 Offices Nationwide	
RUNWAY 18-36 P.F.C. OVERLAY	PROPOSED SAFETY PLAN
<b>3</b>	
3 of 11 sheets	

RUNWAY END 36  
STA. 1+00



STA. 5+75 RWY 18-36  
STA. 54+00 TXY "C"



SEE SHEET 6 FOR  
TYPICAL SECTION "A-A"

**POROUS FRICTION COURSE NOTES**

THE PROPOSED POROUS FRICTION COURSE WILL BE CONSTRUCTED IN ONE LAYER, HAVING A COMPACTED NOMINAL THICKNESS OF 0.10 FOOT.

POROUS FRICTION COURSE SHALL BE PLACED ON A CLEAN AND PREPARED SURFACE ONLY AFTER THE APPROVAL OF THE RESIDENT ENGINEER.

POROUS FRICTION COURSE WILL BE CONSTRUCTED IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

**THE CONTRACTOR WILL ONLY BE ALLOWED TO USE A TRACK PAVING MACHINE FOR PLACEMENT OF THE POROUS FRICTION COURSE.**

**ONLY TANDUM TRUCKS WILL BE ALLOWED FOR THIS PROJECT.**

**IF THE EXISTING PAVEMENT SHOWS SIGNS OF DISTRESS UNDER LOAD, THE TANDUM TRUCKS WILL BE REDUCED TO HALF LOADS AT THE RESIDENT ENGINEER'S DISCRETION.**

**LEGEND**

	EXISTING PAVEMENT
	PROPOSED IMPROVEMENTS
	PROPOSED BUTT JOINT CONSTRUCTION
	REMOVE & REPLACE BIT. PAVEMENT

**REMOVE & REPLACE BIT. PAVEMENT**

THE LENGTH AND NUMBER OF CRACKS TO BE REPAIRED WILL BE DESIGNATED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

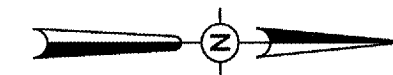
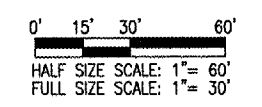
THE CRACKS SHOWN WERE OBTAINED FROM A SURVEY COMPLETED IN MARCH OF 2006.

THE EXCAVATED MATERIAL WILL BE DISPOSED ON OFF THE AIRPORT SITE BY THE CONTRACTOR. THE EXCAVATED MATERIAL WILL BE TAILGATED ON THE AIRPORT AWOS ACCESS ROAD.

THIS ITEM WILL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND AS DETAILED ON THIS SHEET.

THE CALCULATED QUANTITY OF 1,465 S.Y. HAS BEEN INCREASED BY 10% FOR ADDITIONAL PAVEMENT REPAIR AREAS THAT HAVE DEVELOPED SINCE THE SURVEY WAS COMPLETED.

THE BITUMINOUS CRACK REPAIR WILL BE PAID FOR UNDER ITEM:  
AR201910 "REMOVE & REPLACE BIT. PAVEMENT"--- 1,611 S.Y.



JUN 29, 2006 3:09 PM DFE I:\AIRPORTS\FAIRFIELD\805-06RWY\AIRPORT SHEETS\R-121CON.DWG - RUNWAY 18-36

BY	
REVISION	
DATE	

FAIRFIELD MUNICIPAL AIRPORT  
FAIRFIELD, ILLINOIS

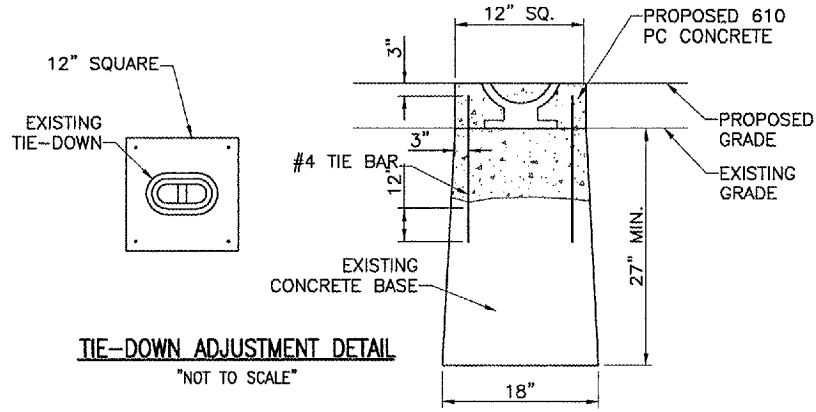
A.I.P. PROJ.: 3-17-0043-89  
IL PROJ.: FWC-3547

Project No.	805-06RWYD_0800
Drawn	R-121CON.DWG
Scale	1"=30'
Date	05/04/06
LAYOUT	MDR 05/04/06
DRAWN	MDR 05/04/06
REVIEWED	CAH 05/26/06



Hanson Professional Services Inc.  
1526 South Sixth Street  
Springfield, IL 62761-2886  
Chicago Nationwide

RUNWAY 18-36  
P.F.C. OVERLAY  
PROPOSED CONSTRUCTION  
PLAN FOR RUNWAY 18-36  
STA. 1+00 TO STA. 21+00



**TIE-DOWN ADJUSTMENT DETAIL**  
"NOT TO SCALE"

**TIE-DOWN ADJUSTMENT NOTE**

THE EXISTING TIE-DOWN MOORING CASTINGS WILL BE REMOVED FROM THE EXISTING CONCRETE BASE AND REUSED FOR THE ADJUSTMENT.

REMOVE TO THE BOTTOM OF THE MOORING CASTINGS OR TO A 6" DEPTH WHICH EVER IS GREATER

ALL LOOSE CONCRETE WILL BE REMOVED AND DISPOSED OF OFF SITE.

FOUR (4) NO. 4 TIE-BARS WILL BE DRILLED AND GROUTED INTO THE EXISTING CONCRETE BASE AT EACH CORNER.

THE CONCRETE WILL BE POURED TO THE PROPOSED PAVEMENT ELEVATION.

THIS ITEM OF WORK WILL BE PAID FOR UNDER:  
ITEM AR510940 "ADJUST TIE-DOWN" \_\_\_\_\_ 18 EACH.

**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 EXISTING BITUMINOUS PAVEMENT PRIOR TO THE PLACEMENT OF THE PROPOSED PFC. THE TACK COAT OF BITUMINOUS MATERIAL WILL BE APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.

THE QUANTITY OF THE PROPOSED BITUMINOUS TACK COAT HAS BEEN CALCULATED AT THE RATE OF 0.25 GALLONS PER SQUARE YARD.

THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM: AR603510 BITUMINOUS TACK COAT \_\_\_\_\_ 5,371 GAL.

**BUTT JOINT CONSTRUCTION NOTES**

THE PROPOSED BUTT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM AR401655 "BUTT JOINT CONSTRUCTION" AS STATED ON PAGE 295 AND IN ACCORDANCE WITH ITEM 501550 "PCC PAVEMENT MILLING" AS STATED ON PAGE 368 OF THE SUPPLEMENTAL SPECIFICATION AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

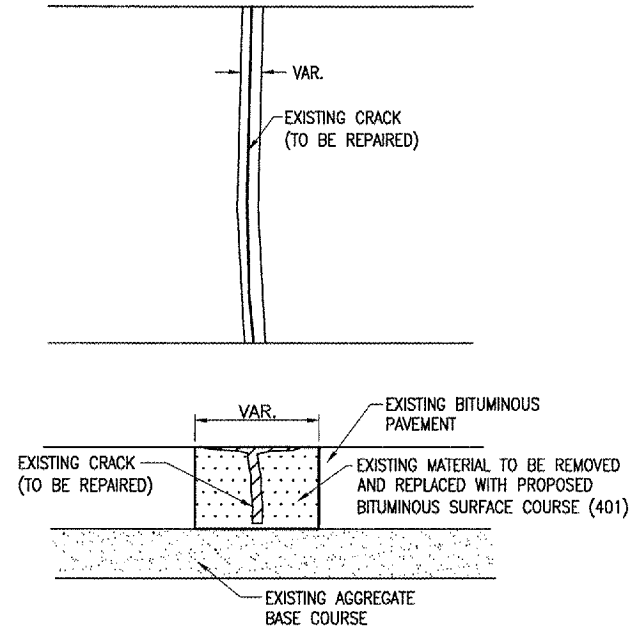
THIS ITEM SHALL CONSIST OF REMOVING THE EXISTING BITUMINOUS AND/OR CONCRETE PAVEMENT SURFACE BY MILLING IN ORDER TO CONSTRUCT A BUTT JOINT FOR THE TRANSITION OF THE PROPOSED POROUS FRICTION COURSE AT THE LOCATIONS AS SHOWN ON THE PLANS.

THE EXISTING PAVEMENT SURFACE WILL 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 AND CONCRETE PAVEMENT MILLING AREAS WILL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER.

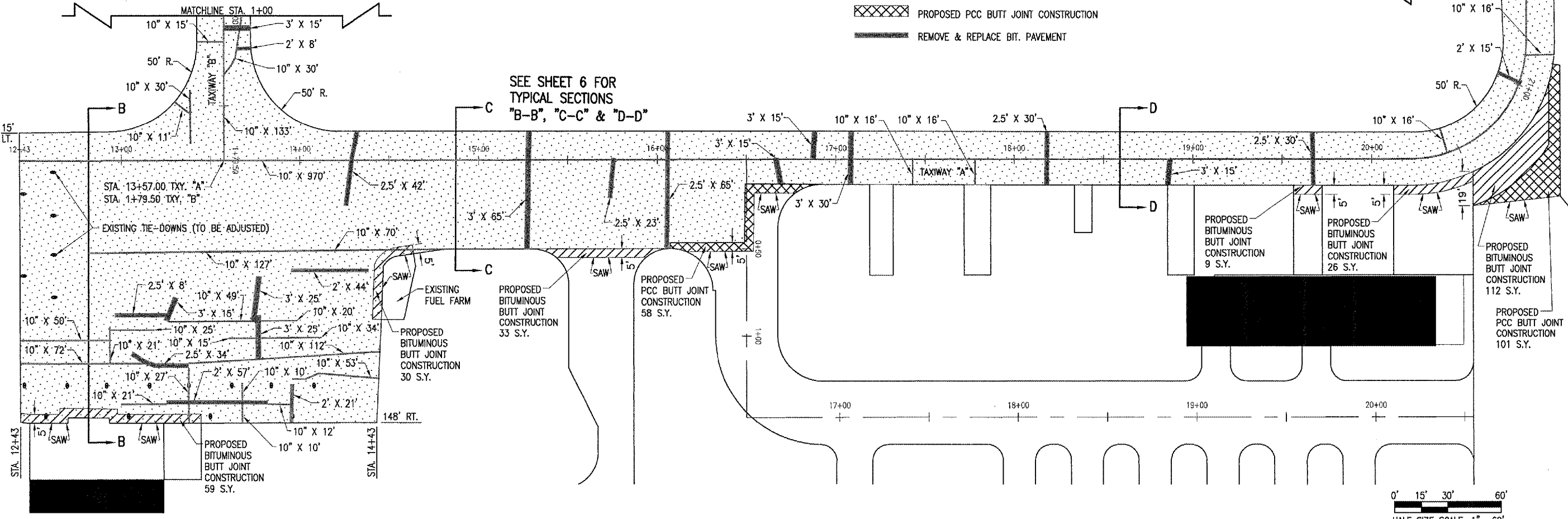
THE PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM:  
AR401655 "BUTT JOINT CONSTRUCTION" \_\_\_\_\_ 328 S.Y.  
AR501551 "PCC BUTT JOINT" \_\_\_\_\_ 159 S.Y.



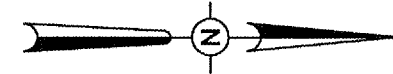
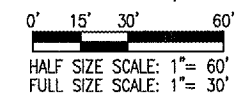
**REMOVE & REPLACE BIT. PAVEMENT DETAIL**  
"NOT TO SCALE"

**LEGEND**

- EXISTING PAVEMENT
- EXISTING BUILDINGS
- EXISTING TIE-DOWNS (TO BE ADJUSTED)
- PROPOSED IMPROVEMENTS
- PROPOSED BITUMINOUS BUTT JOINT CONSTRUCTION
- PROPOSED PCC BUTT JOINT CONSTRUCTION
- REMOVE & REPLACE BIT. PAVEMENT



SEE SHEET 6 FOR TYPICAL SECTIONS "B-B", "C-C" & "D-D"



DATE	REVISION

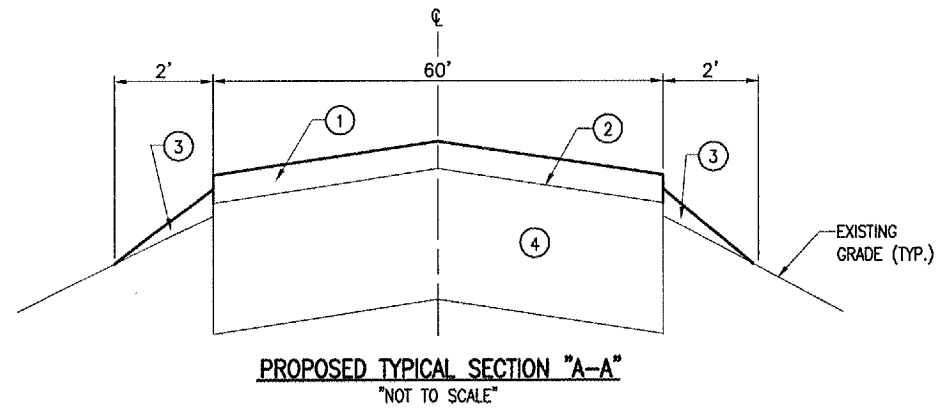
FAIRFIELD MUNICIPAL AIRPORT  
FAIRFIELD, ILLINOIS

IL PROJ.: FWG-3547 A.I.P. PROJ.: 3-17-0043-B9

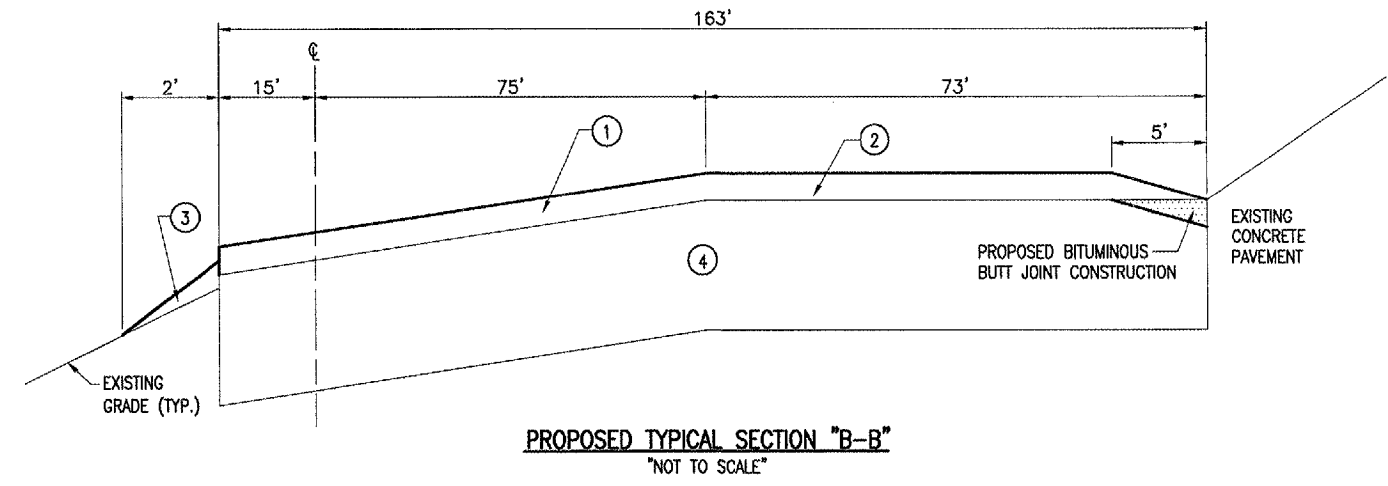
FILE PROJECT NO. 805-06RWYD.0800	DATE 05/04/06
FILE NAME R-121CON.DWG	SCALE 1" = 30'
DATE 05/04/06	
LAYOUT	MDR 05/04/06
DRAWN	MDR 05/04/06
REVIEWED	CAH 05/26/06

Hanson Professional Services Inc.  
1500 North State Street  
Springfield, IL 62703-2866  
Offices Nationwide

RUNWAY 18-36  
P.F.C. OVERLAY  
PROPOSED CONSTRUCTION  
PLAN FOR TAXIWAY "A"  
STA. 12+43 TO STA. 21+50



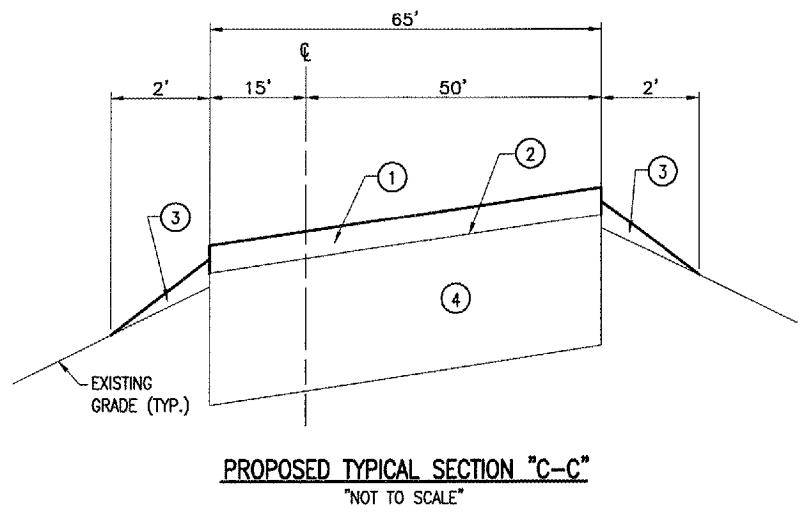
PROPOSED TYPICAL SECTION "A-A"  
"NOT TO SCALE"



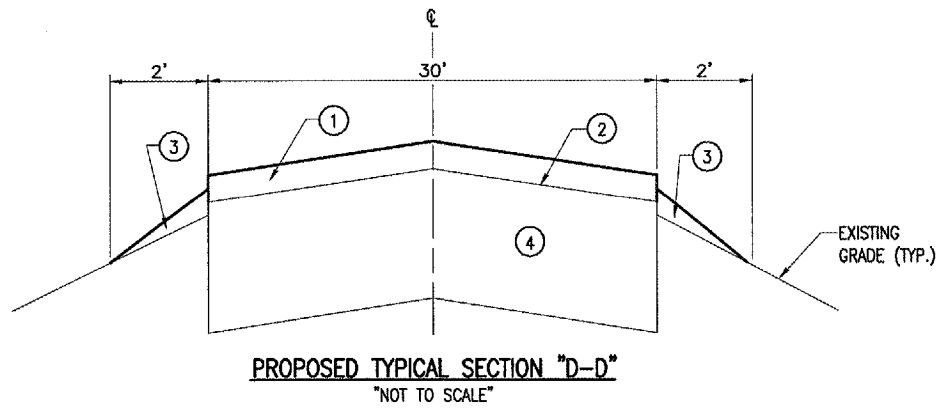
PROPOSED TYPICAL SECTION "B-B"  
"NOT TO SCALE"

**PROPOSED LEGEND FOR TYPICAL SECTIONS  
"A-A", "B-B", "C-C" AND "D-D"**

- ① PROPOSED 402 - POROUS FRICTION COURSE (0.10' DEPTH)
- ② PROPOSED 603 - BITUMINOUS TACK COAT (0.25 GAL./S.Y.)
- ③ PROPOSED SHOULDER ADJUSTMENT
- ④ EXISTING PAVEMENT



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



PROPOSED TYPICAL SECTION "D-D"  
"NOT TO SCALE"

DATE	REVISION	BY

FAIRFIELD MUNICIPAL AIRPORT  
FAIRFIELD, ILLINOIS

IL PROJ.: FWC-3547 A.I.P. PROJ.: 3-17-0043-B9

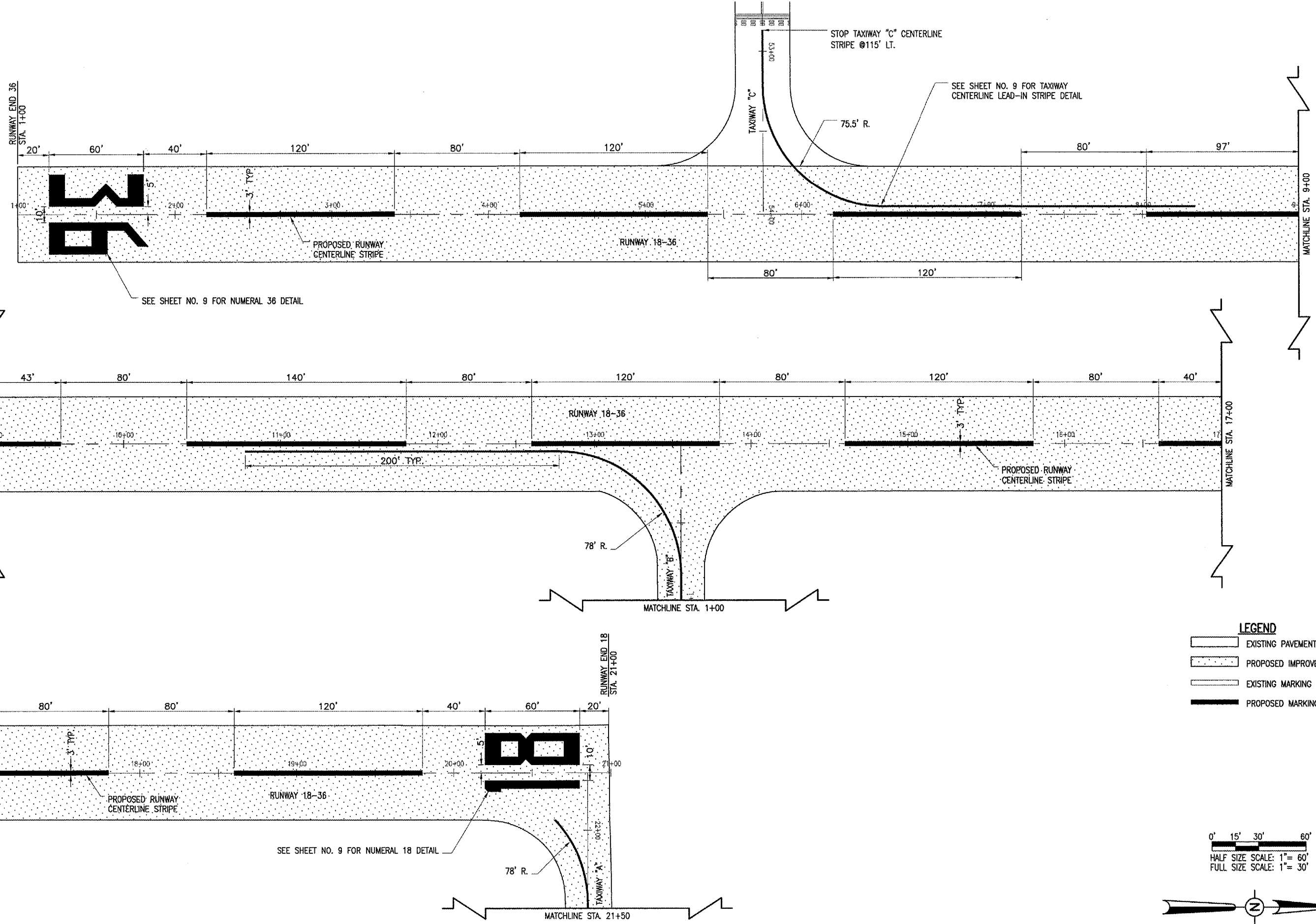
FEI Project No. 805-08RWTD-0800	BAK	05/04/06
Electronic R-521CON.DWG	BAK	05/04/06
Scale NOT TO SCALE	CAH	05/26/06
Date 05/04/06		
LAYOUT		
DRAWN		
REVIEWED		



Hanson Professional Services Inc.  
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Springfield, IL 62761-2886  
Chicago Nationwide

RUNWAY 18-36  
P.F.C. OVERLAY

PROPOSED  
TYPICAL  
SECTIONS



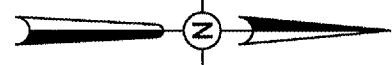
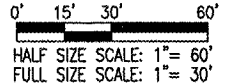
SEE SHEET NO. 9 FOR NUMERAL 36 DETAIL

SEE SHEET NO. 9 FOR NUMERAL 18 DETAIL

STOP TAXIWAY "C" CENTERLINE STRIPE @115' LT.

SEE SHEET NO. 9 FOR TAXIWAY CENTERLINE LEAD-IN STRIPE DETAIL

- LEGEND**
- EXISTING PAVEMENT
  - PROPOSED IMPROVEMENTS
  - EXISTING MARKING
  - PROPOSED MARKING



DATE	REVISION	BY

**FAIRFIELD MUNICIPAL AIRPORT**  
**FAIRFIELD, ILLINOIS**

IL PROJ.: FWC-3547 A.I.P. PROJ.: 3-17-0043-B9

I.E. Project No.: 805-06RWYD 0800 File Name: R-151MRK.DWG Scale: 1" = 30' Date: 05/04/06	LAYOUT DRAWN REVIEWED	BAK BAK CAH	05/04/06 05/04/06 05/26/06
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**RUNWAY 18-36**  
**P.F.C. OVERLAY**

PROPOSED MARKING  
 PLAN FOR RUNWAY 18-36  
 STA. 1+00 TO STA. 21+00

JUN 29, 2006 3:11 PM DPE  
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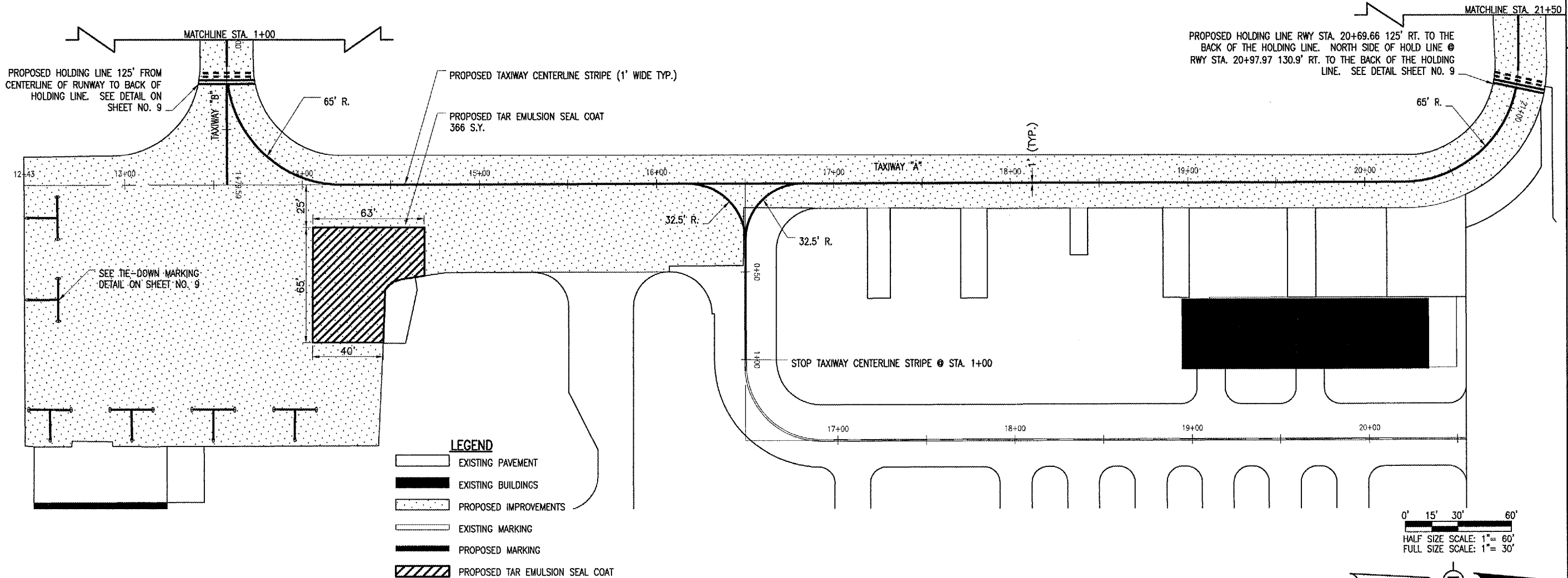
**TAR EMULSION SEAL COAT**

THIS ITEM OF WORK SHALL CONSIST OF THE APPLICATION OF TWO COATS OF TAR EMULSION SEAL COAT ON A PREPARED ASPHALT SURFACE. THE AREA TO RECEIVE THE SEAL COAT IS DETAILED ON THIS SHEET. THE CONTRACTOR WILL BE REQUIRED TO REMOVE ANY MATERIAL THAT IS SPLASHED OR SPRAYED ON ANY/OR ALL BUILDINGS OR CONCRETE.

THE SEAL COAT MIXTURE AND APPLICATION RATE SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

THE CONTRACTOR WILL WAIT 30 DAYS AFTER THE POROUS FRICTION COURSE HAS BEEN PLACED TO ALLOW THE ASPHALT MATERIAL TO CURE. THE PROPOSED TAR EMULSION SEAL COAT WILL NOT BE APPLIED UNTIL THE CURE PERIOD HAS LAPSED.

THIS ITEM WILL BE PAID FOR UNDER ITEM:  
AR625510 "TAR EMULSION SEAL COAT" - - - 366 S.Y.



DATE	REVISION	BY

**FAIRFIELD MUNICIPAL AIRPORT**  
FAIRFIELD, ILLINOIS

IL PROJ.: FWC-3547 A.I.P. PROJ.: 3-17-0043-B9

Project No. 805-DORWYD-0800	
Revision R-151MRK.DWG	
Scale 1" = 30'	
Date 05/04/06	
LAYOUT BAK 05/04/06	
DRAWN BAK 05/04/06	
REVIEWED CAH 05/26/06	

**HANSON**  
Hanson Professional Services Inc.  
1526 South Sixth Street  
Springfield, Illinois 62702-2886  
Offices Nationwide

**RUNWAY 18-36**  
**P.F.C. OVERLAY**

PROPOSED MARKING  
PLAN FOR TAXIWAY "A"  
STA. 12+43 TO STA. 21+50

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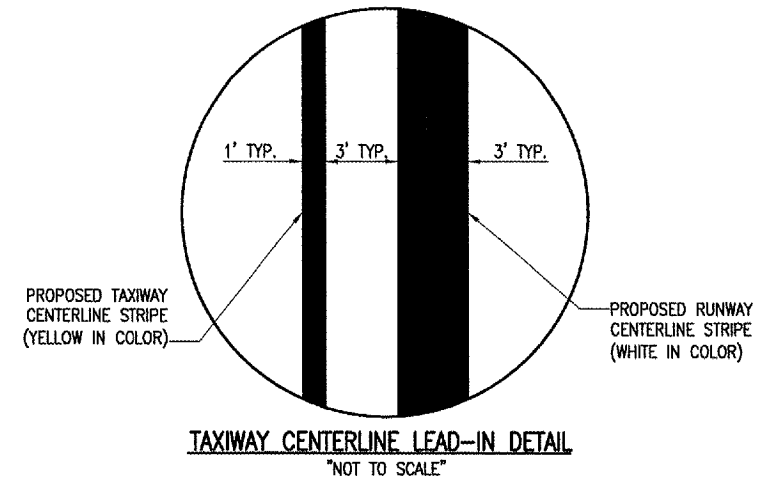
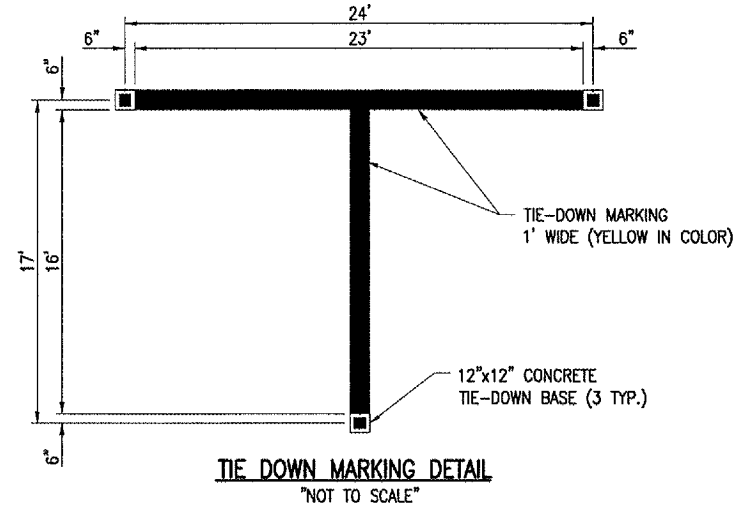
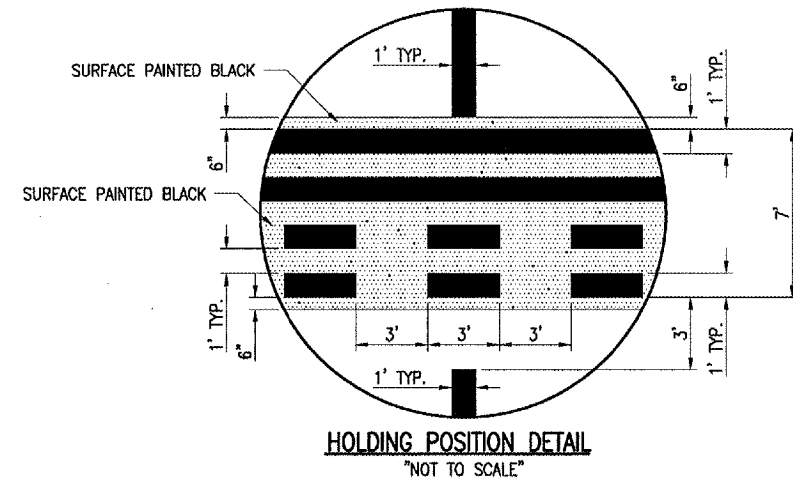
DATE	REVISION	BY

FAIRFIELD MUNICIPAL AIRPORT  
FAIRFIELD, ILLINOIS  
A.I.P. PROJ.: 3-17-0043-BB  
IL. PROJ.: FWC-3547

Project No. 805-06RWYD.0800	
Filename: R-151MRK.DWG	
Scale: N/A	
Date: 05/04/06	
LAYOUT	05/04/06
DRAWN	BAK 05/04/06
REVIEWED	CAH 05/26/06



RUNWAY 18-36  
P.F.C. OVERLAY  
PROPOSED MARKING DETAILS



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

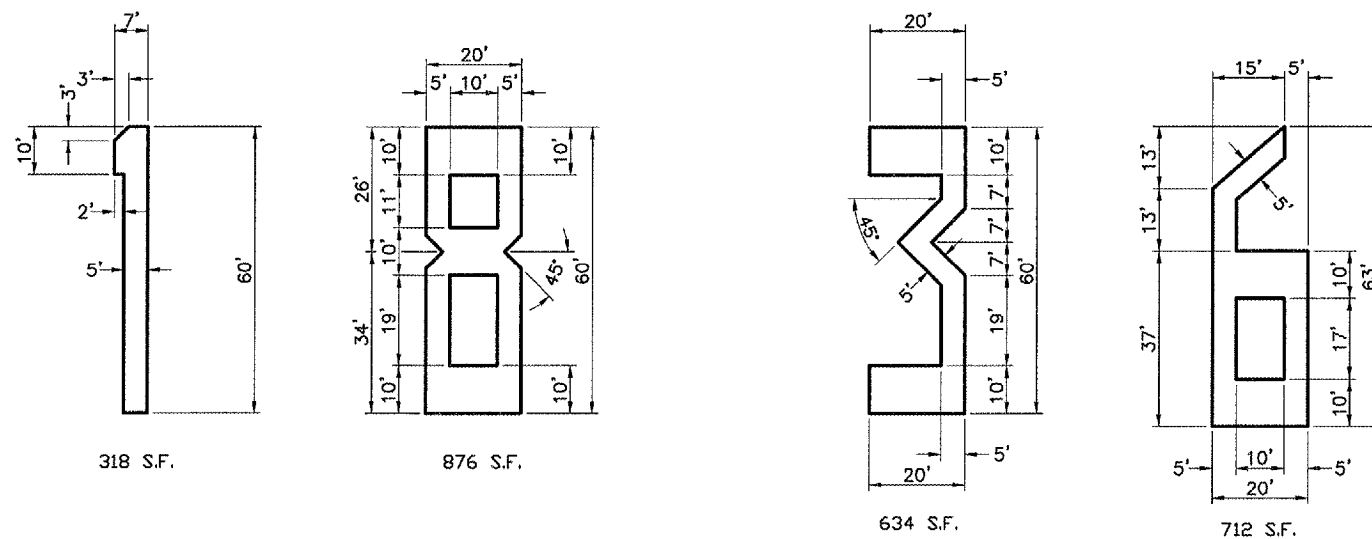
ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.

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.

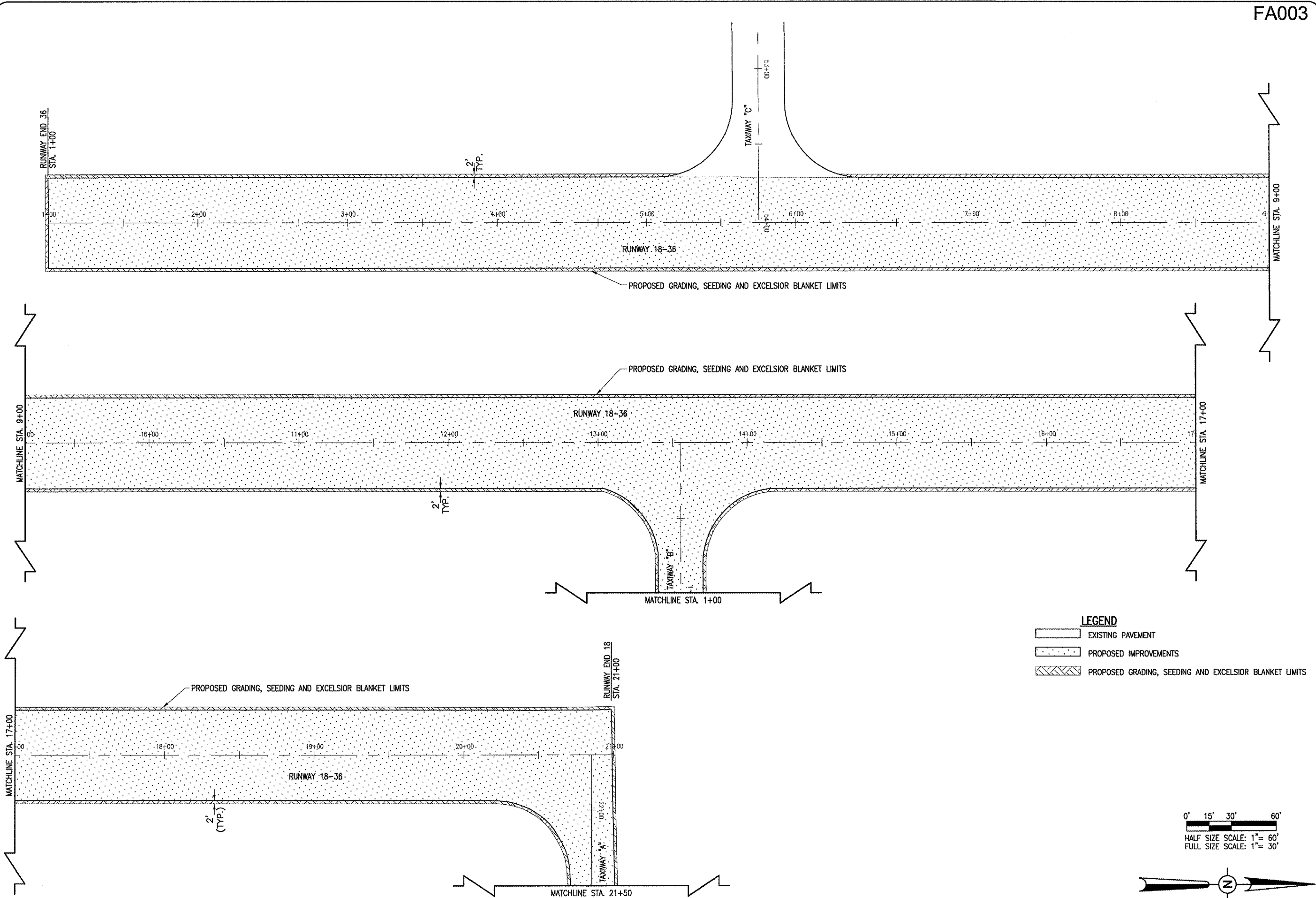
CUT-OFF SHEETS WILL BE REQUIRED TO INSURE STRAIGHT EDGES.

THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:  
AR620520 PAVEMENT MARKING-WATERBORNE \_\_\_ 8,423 S.F.



MARKING QUANTITIES			
DESCRIPTION	UNIT AREA	NO. REQUIRED	TOTAL AREA
Q. STRIPE (SOLID)	360	9.33	3,360
NUMBER 1 (SOLID)	318	1	318
NUMBER 3 (SOLID)	634	1	634
NUMBER 6 (SOLID)	712	1	712
NUMBER 8 (SOLID)	876	1	876
TOTAL WHITE			5,900
HOLDING LINE	90	2	180
TAXIWAY CENTERLINE	1,809	1	1,809
TIE DOWN	39	6	234
TOTAL YELLOW			2,223
BLACK	150	2	300
TOTAL BLACK			300
TOTAL MARKING			8,423

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**LEGEND**

- EXISTING PAVEMENT
- PROPOSED IMPROVEMENTS
- PROPOSED GRADING, SEEDING AND EXCELSIOR BLANKET LIMITS

0' 15' 30' 60'

HALF SIZE SCALE: 1" = 60'  
 FULL SIZE SCALE: 1" = 30'

DATE	REVISION	BY

**FAIRFIELD MUNICIPAL AIRPORT**  
**FAIRFIELD, ILLINOIS**

IL PROJ.: FWC-3547 A.I.P. PROJ.: 3-17-0043-B9

ILL. Project No. 805-06RWYD_0800 Drawing R-191STK.DWG Scale 1" = 30' Date 05/04/06	LAYOUT BAK 05/04/06 DRAWN BAK 05/04/06 REVIEWED CAH 05/26/06
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Hanson Professional Services Inc.  
 1625 South Sixth Street  
 Springfield, Illinois 62705-2886  
 Chicago, Illinois

**RUNWAY 18-36**  
**P.F.C. OVERLAY**

PROPOSED GRADING AND  
 SEEDING PLAN FOR RWY. 18-36  
 STA. 1+00 TO STA. 21+00

**SHOULDER ADJUSTMENT NOTE**

THE GRADING WILL HAVE A 1-1/2" DROP FROM THE PAVEMENT EDGE AND TAPERING TO THE EXISTING GROUND IN THE DISTANCE SHOWN ON THIS SHEET. THE EARTH FILLETS WILL NOT REQUIRE COMPACTING OR GRADING, OTHER THAN LIGHT ROLLING AND SHAPING. THE MATERIAL FOR THE PROPOSED EARTH FILLETS WILL BE OBTAINED FROM OFF-SITE.

THE EXISTING SHOULDER AREA WILL BE MOWED AND DISKED PRIOR TO PLACING THE TOPSOIL MATERIAL. THE AREA WILL BE DISKED UNTIL THE SOD HAS BEEN COMPLETELY CUT UP. ANY CHUNKS OF SOD WILL BE REMOVED PRIOR TO THE PLACEMENT OF THE TOPSOIL MATERIAL.

THE CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS WHEN HAULING BORROW MATERIAL SO AS NOT TO CREATE RUTS IN ADJACENT EARTH AREAS. ALL EXISTING GRADED OR TURFED AREAS OUTSIDE THE GRADING LIMITS WHICH ARE DISTURBED OR RUTTED BY THE CONTRACTOR DURING THE HAULING OPERATION SHALL BE REGRADED AND RETURFED AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

THE MATERIAL FOR THE PROPOSED EARTH FILLETS WILL BE PAID FOR UNDER ITEM:

AR152480 "SHOULDER ADJUSTMENT" PER SQUARE YARDS.

QUANTITY OF SHOULDER ADJUSTMENT \_\_\_\_\_ 1,283 S.Y.

**901 SEEDING NOTES**

THE PROPOSED SEEDING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 901 "SEEDING" AS STATED IN THE SPECIAL PROVISIONS.

ALL DISTURBED AREAS LOCATED WITHIN THE PROPOSED GRADING AND SEEDING LIMITS WILL BE SEEDED IN ACCORDANCE WITH THE ABOVE NOTED SPECIFICATION. ALL AREAS OUTSIDE THE DESIGNATED GRADING AND SEEDING LIMITS WILL ALSO BE SEEDED 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.

NO LIME WILL BE REQUIRED.

ANY COMMERCIALY AVAILABLE 12-12-12 FERTILIZER MIXTURE WILL BE APPLIED AT A RATE OF 0.14 POUNDS PER SQUARE YARD.

AN IDOT CLASS 2 ROADSIDE SEED MIXTURE WILL BE PLACED AT A RATE OF 0.04 POUNDS PER SQUARE YARD.

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 \_\_\_\_\_

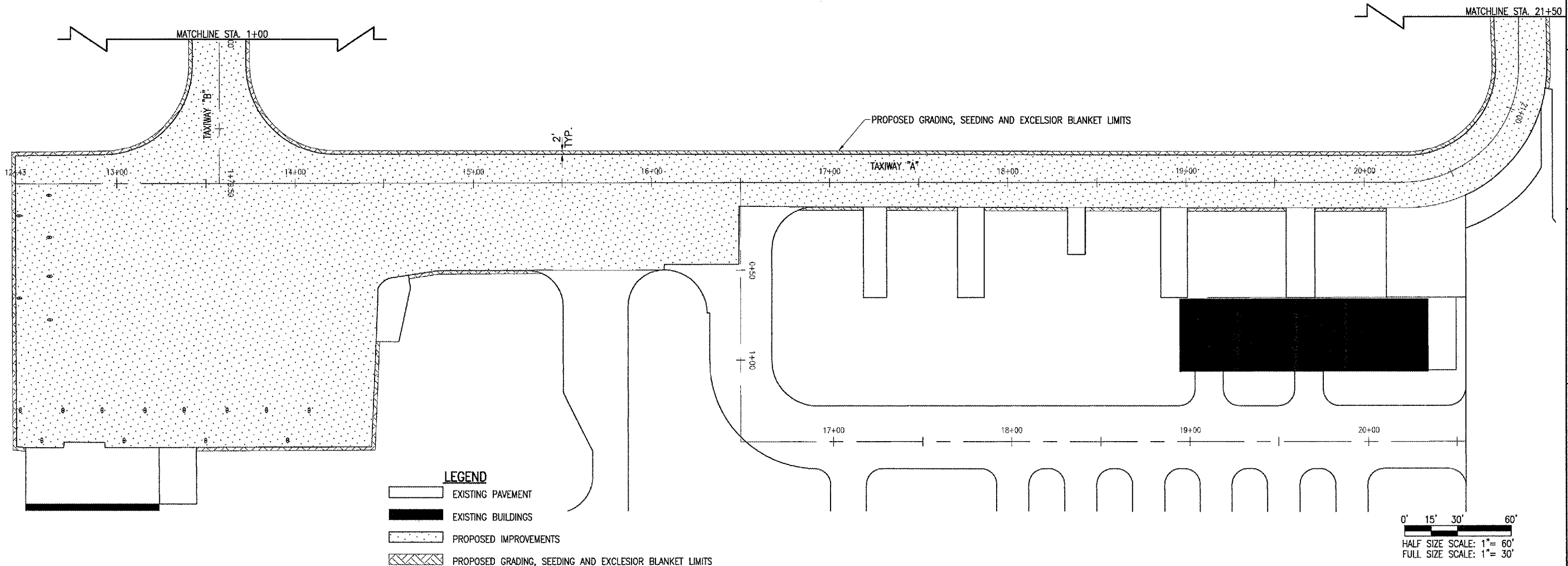
THE AREA OF THE SHOULDER ADJUSTMENT (1,283 S.Y.) IS THE AREA BEING SEEDED.

THE PROPOSED SEEDING WILL BE PAID FOR UNDER ITEMS: AR901510 SEEDING \_\_\_\_\_ 0.3 ACRES

**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" \_\_\_\_\_ 1,283 S.Y.



BY	REVISION	DATE

FAIRFIELD MUNICIPAL AIRPORT  
FAIRFIELD, ILLINOIS

IL PROJ.: FWC-3547 A.I.P. PROJ.: 3-17-0043-B9

HEI Project No. 805-06RWYD 0800	DATE 05/04/06
Drawn R-191STK.DWG	BAK 05/04/06
Scale 1" = 30'	BAK 05/04/06
Drawn 05/04/06	CAH 05/26/06
Reviewed	



RUNWAY 18-36  
P.F.C. OVERLAY

PROPOSED GRADING AND SEEDING PLAN FOR TAXY. "A" STA. 12+43 TO STA. 21+50

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