

# CONSTRUCTION PLANS

## FOR

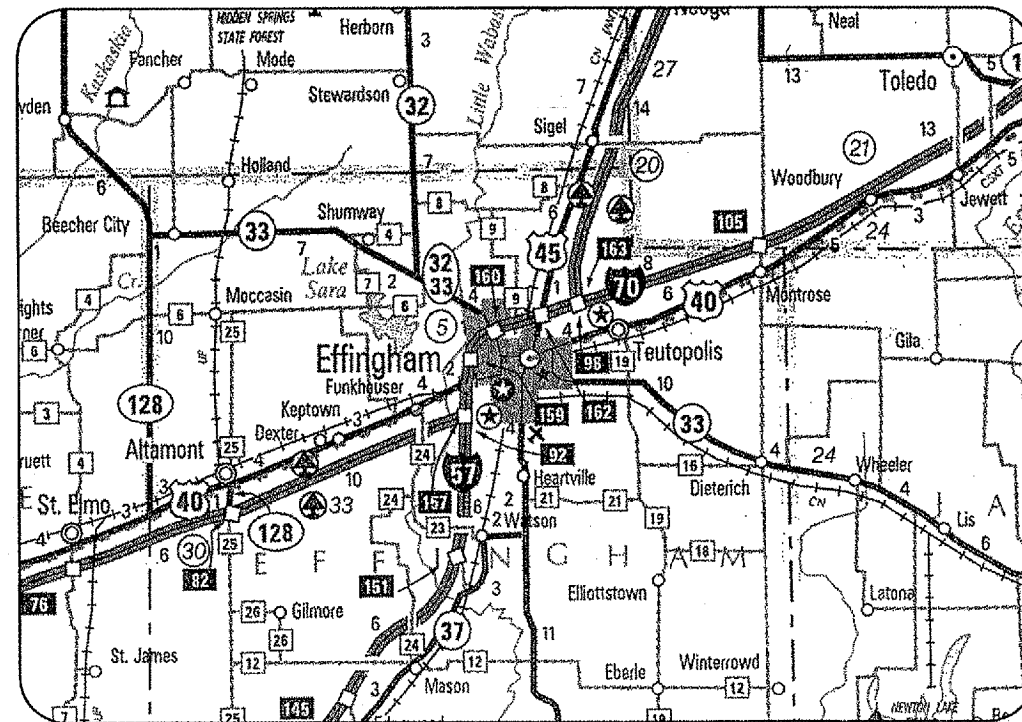
# EFFINGHAM COUNTY MEMORIAL AIRPORT

### EFFINGHAM, EFFINGHAM COUNTY, ILLINOIS

### OVERLAY RUNWAY 1-29, EAST-WEST TAXIWAY, WEST AIRCRAFT PARKING APRON AND T-HANGAR ACCESS PAVEMENTS

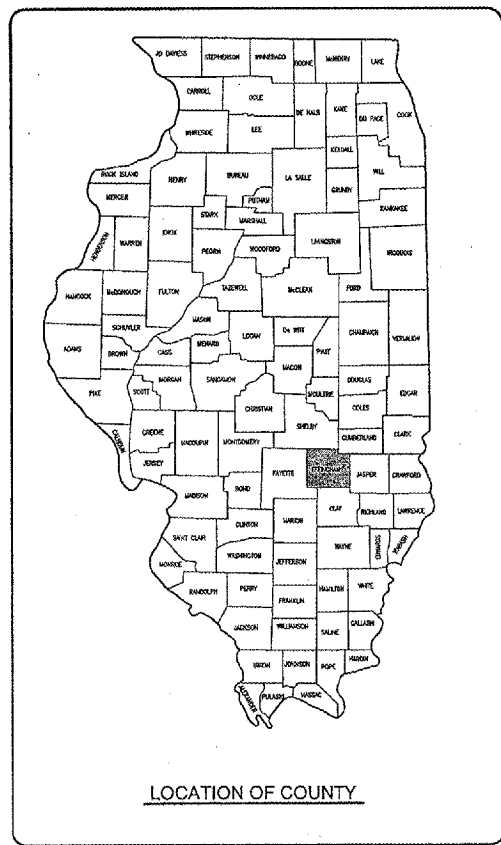
SCOPE OF WORK

THIS PROJECT CONSISTS OF CONSTRUCTING A BITUMINOUS AND POROUS FRICTION COURSE OVERLAY ON RUNWAY 1-19; APPLYING A POROUS FRICTION COURSE (0.10 FT.) TO THE EAST-WEST TAXIWAY, WEST SECTION OF THE AIRCRAFT PARKING APRON AND T-HANGAR ACCESSSES. ASSOCIATED WORK SHALL INCLUDE PAVEMENT REHABILITATION, SHOULDER ADJUSTMENT, MARKING & SEEDING.



LOCATION

ILL. PROJ.: 1H2-3688  
 A.I.P. PROJ.: 3-17-0040-B10  
 LATITUDE: 39° 04' 15"  
 LONGITUDE: 88° 32' 15"  
 ELEVATION: 585.0' M.S.L.  
 DATE: MARCH 23, 2007



REVISED MAY 04, 2007

**HANSON**  
 Hanson Professional Services Inc.

Submitted by: *Charles A. Hagloch* ENG'R  
 Date Submitted: May 04, 2007  
 Lic. Exp. Date: November 30, 2007

EFFINGHAM COUNTY AIRPORT  
 COMMISSION

Approved: *[Signature]* CHAIRMAN  
 Date: MARCH 30, 2007

DATE	REVISION	BY	COMMENTS
05/04/07	REVISED AS PER I.D.A.	CAH	
EFFINGHAM COUNTY MEMORIAL AIRPORT EFFINGHAM, ILLINOIS			
ILL. PROJ.: 1H2-3688 A.I.P. PROJ.: 3-17-0040-B10			
PROJECT NO.	DATE	BY	REVISION
8040TRWTD 0800	02/28/07	KDM	02/28/07
R-001CVR.DWG	02/28/07	BAK	02/28/07
NOT TO SCALE	02/28/07	CAH	04/23/07
RECONSTRUCT RUNWAY 1-19			
COVER SHEET			
1			

MAY 04, 2007 9:18 AM CAH  
 I:\AIRPORTS\EFFINGHAM\804-07RWY\AIRPORT\SHEETS\R-001CVR.DWG - COVER

DATE	REVISION	BY
05/04/07	REVISED AS PER IGA REVIEW	CAH

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150540	HAUL ROUTE	L.S.	1	
AR152480	SHOULDER ADJUSTMENT	S.Y.	7,239	
AR156510	SILT FENCE	LF.	500	
AR156520	INLET PROTECTION	EACH	8	
AR156532	EXCELSIOR BLANKET	S.Y.	5,791	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	LF.	3,739	
AR401610	BITUMINOUS SURFACE COURSE	TON	2,099	
AR401650	BITUMINOUS PAVEMENT MILLING	S.Y.	3,167	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	780	
AR401915	REM & REP BIT PAVEMENT-TYPE A	S.Y.	1,675	
AR401916	REM & REP BIT PAVEMENT-TYPE B	S.Y.	294	
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	41,680	
AR510940	ADJUST TIE DOWN	EACH	6	
AR603510	BITUMINOUS TACK COAT	GAL.	16,478	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	30,953	
AR705943	ADJUST UNDERDRAIN INSP. HOLE	EACH	1	
AR901510	SEEDING	ACRE	1.5	

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	PROPOSED STORMWATER POLLUTION PREVENTION PLAN
5	PROPOSED TYPICAL SECTIONS
6	PROPOSED CONSTRUCTION PLAN FOR RUNWAY 1-19 STA. 99+00 TO STA. 118+00
7	PROPOSED CONSTRUCTION PLAN FOR RUNWAY 1-19 STA. 118+00 TO STA. 129+00
8	PROPOSED CONSTRUCTION PLAN FOR RUNWAY 1-19 STA. 129+00 TO STA. 135+00
9	PROPOSED CONSTRUCTION PLAN FOR E-W TAXIWAY STA. 209+77.60 TO STA. 229+00
10	PROPOSED CONSTRUCTION PLAN FOR APRON
11	PROPOSED CONSTRUCTION PLAN FOR T-HANGAR
12	PROPOSED PLAN AND PROFILE FOR INTERSECTION OF RUNWAY 1-19 AND 11-29
13	PROPOSED PAVEMENT PREPARATION PLAN STA. 99+00 TO STA. 118+00
14	PROPOSED PAVEMENT PREPARATION PLAN STA. 118+00 TO STA. 129+00
15	PROPOSED PAVEMENT PREPARATION PLAN STA. 129+00 TO STA. 135+00
16	PROPOSED PAVEMENT PREPARATION PLAN EAST-WEST TAXIWAY
17	PROPOSED PAVEMENT PREPARATION PLAN APRON
18	PROPOSED PAVEMENT PREPARATION PLAN T-HANGAR
19	PROPOSED RUNWAY INTERSECTION STAKING PLAN
20	PROPOSED MARKING PLAN FOR RUNWAY 1-19 STA. 99+00 TO STA. 118+00
21	PROPOSED MARKING PLAN FOR RUNWAY 1-19 STA. 118+00 TO STA. 129+00
22	PROPOSED MARKING PLAN FOR RUNWAY 1-19 STA. 129+00 TO STA. 135+00
23	PROPOSED MARKING PLAN FOR EAST-WEST TAXIWAY STA. 209+73.75 TO STA. 229+00
24	PROPOSED MARKING PLAN FOR APRON
25	PROPOSED MARKING PLAN FOR T-HANGAR
26	PROPOSED CROSS-SECTIONS FOR RUNWAY 1-19 INTERSECTION STA. 118+75 TO STA. 119+50
27	PROPOSED CROSS-SECTIONS FOR RUNWAY 1-19 INTERSECTION STA. 119+75 TO STA. 120+50
28	PROPOSED CROSS-SECTIONS FOR RUNWAY 1-19 INTERSECTION STA. 120+75 TO STA. 121+25
29	PROPOSED CROSS-SECTIONS FOR RUNWAY 1-19 INTERSECTION STA. 121+85.08 TO STA. 122+24.11
30	PROPOSED CROSS-SECTIONS FOR RUNWAY 1-19 INTERSECTION STA. 122+50 TO STA. 123+25
31	PROPOSED CROSS-SECTIONS FOR RUNWAY 1-19 INTERSECTION STA. 123+50 TO STA. 124+25
32	PROPOSED CROSS-SECTIONS FOR RUNWAY 1-19 INTERSECTION STA. 124+50 TO STA. 125+00

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

IL PROJ.: 1H2-3688 A.I.P. PROJ.: 3-17-0040-B10

Project No. 80402RWYD\_0800  
Filename R-002ELP.DWG  
Scale NOT TO SCALE  
Date 02/28/07

LAYOUT	KIM	02/28/07
DRAWN	BAK	02/28/07
REVIEWED	CAH	04/23/07

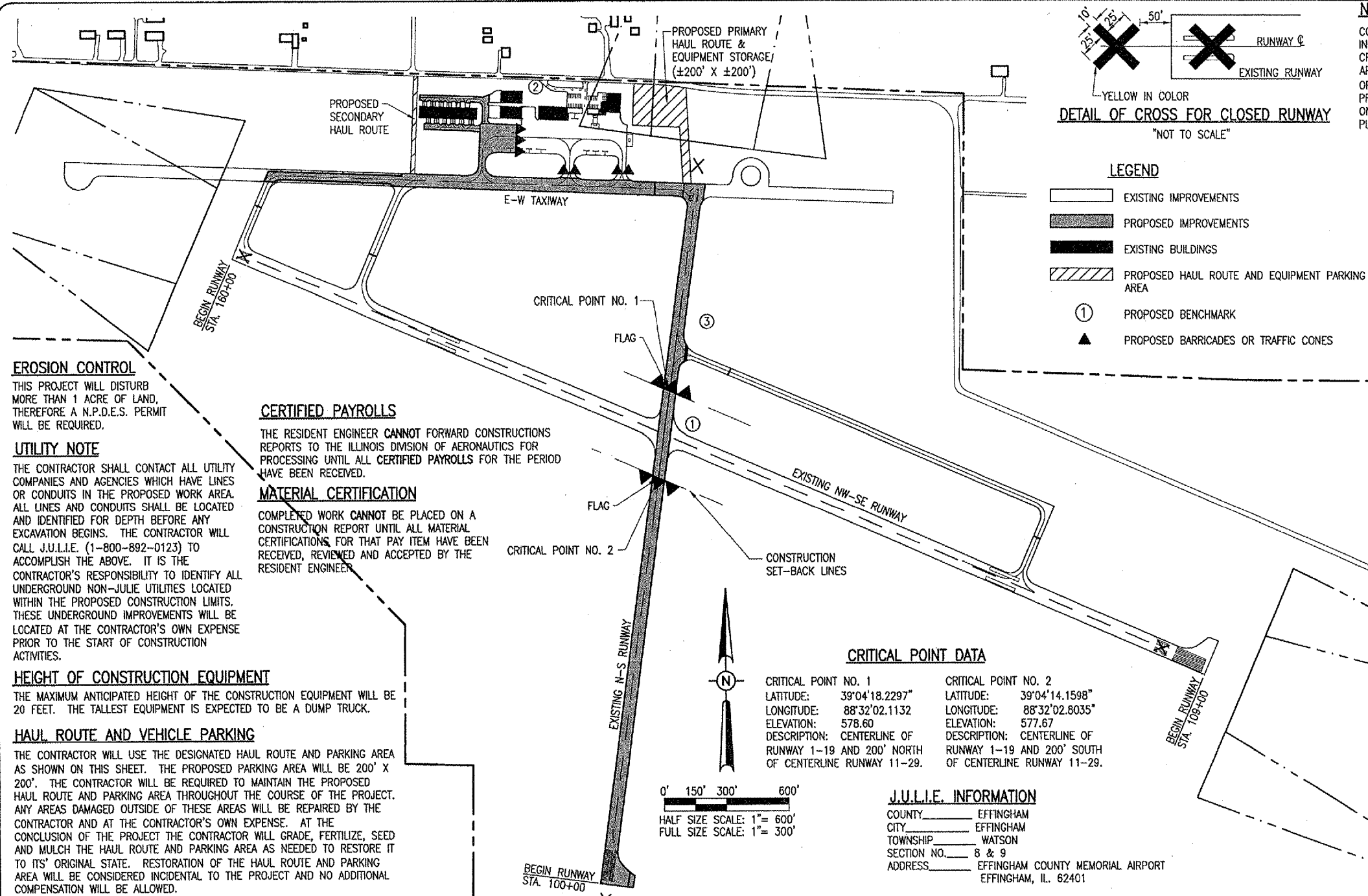


Hanson Professional Services Inc.  
Springfield, Illinois 62703-2886  
Offices Nationwide

RECONSTRUCT  
RUNWAY 1-19

SUMMARY OF QUANTITIES  
AND  
INDEX TO SHEETS

MAY 04, 2007 10:17 AM CAH  
 I:\AIRPORTS\EFFINGHAM\B04-07RWY\AIRPORT\_SHEETS\R-003SFY.DWG - SAFETY PLAN



**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 OR 50' OFF THE RUNWAY END AND SECURED IN A MANNER APPROVED BY THE MANAGER. THE PROPOSED CROSSES WILL BE IN PLACE EACH DAY THE RUNWAY IS CLOSED AND REMOVED ONCE THE RUNWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**PROPOSED SAFETY PLAN**  
**GENERAL** - THE EFFINGHAM COUNTY MEMORIAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PRIMARY RUNWAY IS THE NW-SE RUNWAY(11-29) AND CLOSING OF IT IS TO BE KEPT TO A MINIMUM. THE PROPOSED CONSTRUCTION WILL NECESSITATE CLOSING THIS PRIMARY RUNWAY FOR A TIME PERIOD OF ±7 DAYS AND THE N-S RUNWAY (1-19) FOR MOST OF THE PROJECT. THE AIRPORT MANAGER WILL BE GIVEN A MINIMUM OF 24 HRS NOTICE BEFORE THE CLOSING OF THE N-S RUNWAY(1-19) AND A MINIMUM 48 HRS NOTICE BEFORE CLOSING THE NW-SE RUNWAY(11-29) WHICH EFFECTIVELY SHUTS THE AIRPORT DOWN. THIS NOTICE IS REQUIRED SO HE MAY SCHEDULE WITH PILOTS AND ISSUE NOTAM'S. ANYTIME THE CONTRACTOR IS WORKING WITHIN THE 200' SAFETY AREA OF RUNWAY 11-29 CENTERLINE THAT RUNWAY WILL BE CLOSED. OTHER THAN THE 7 DAY CLOSURE PERIOD, RUNWAY 11-29 WILL BE CLOSED ONLY DURING THE CONSTRUCTION DAY. WHENEVER A RUNWAY IS CLOSED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SHUT OFF THE RELATED LIGHTS AND NAVAIDS. IT WILL BE THE AIRPORT MANAGER'S RESPONSIBILITY TO SHUT OFF THE LOCALIZER CONCERNING THE NW-SE RUNWAY CLOSURES. 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, RE-ENERGIZE THE LIGHTS AND NAVAIDS, REMOVE THE CROSSES AND RE-OPEN THE RUNWAY. ALL WORK INCLUDED IN OPENING AND CLOSING THE RUNWAY WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**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 (122.8 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE EFFINGHAM COUNTY MEMORIAL 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 N.P.D.E.S. PERMIT WILL BE REQUIRED.

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

**CERTIFIED PAYROLLS**  
 THE RESIDENT ENGINEER CANNOT FORWARD CONSTRUCTIONS REPORTS TO THE ILLINOIS DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THE PERIOD HAVE BEEN RECEIVED.

**MATERIAL CERTIFICATION**  
 COMPLETED WORK CANNOT BE PLACED ON A CONSTRUCTION REPORT UNTIL ALL MATERIAL CERTIFICATIONS FOR THAT PAY ITEM HAVE BEEN RECEIVED, REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER.

**HEIGHT OF CONSTRUCTION EQUIPMENT**  
 THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 20 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.

**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.

THE CONTRACTOR SHALL KEEP RUNWAY 11-29 OPEN AS MUCH AS POSSIBLE DURING THIS PROJECT. THE CONTRACTOR WILL SCHEDULE HIS OPERATIONS TO PROVIDE ACCESS TO/FROM THE APRON, T-HANGAR AND RUNWAY 11-29 AS MUCH AS POSSIBLE.

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

NO TRENCHES OR HOLES WILL REMAIN OPEN OVERNIGHT.

**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.

**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 STEADY-BURN OR FLASHING LIGHTS. THE BARRICADES WILL ALSO REQUIRE STANDARD 20" X 20" ORANGE FLAGS TO BE MOUNTED TO THEM. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**SCOPE OF WORK**  
 THIS PROJECT CONSISTS OF CONSTRUCTING A BITUMINOUS AND POROUS FRICTION COURSE OVERLAY ON RUNWAY 1-19; APPLYING A POROUS FRICTION COURSE (0.10") TO THE EAST-WEST TAXIWAY, WEST SECTION OF THE AIRCRAFT PARKING APRON AND T-HANGAR ACCESSSES. ASSOCIATED WORK SHALL INCLUDE PAVEMENT REHABILITATION, SHOULDER ADJUSTMENT, MARKING & SEEDING.

**CRITICAL POINT DATA**

CRITICAL POINT NO. 1	CRITICAL POINT NO. 2
LATITUDE: 39°04'18.2297"	LATITUDE: 39°04'14.1598"
LONGITUDE: 88°32'02.1132	LONGITUDE: 88°32'02.8035"
ELEVATION: 578.60	ELEVATION: 577.67
DESCRIPTION: CENTERLINE OF RUNWAY 1-19 AND 200' NORTH OF CENTERLINE RUNWAY 11-29.	DESCRIPTION: CENTERLINE OF RUNWAY 1-19 AND 200' SOUTH OF CENTERLINE RUNWAY 11-29.

**J.U.L.I.E. INFORMATION**  
 COUNTY: EFFINGHAM  
 CITY: EFFINGHAM  
 TOWNSHIP: WATSON  
 SECTION NO.: 8 & 9  
 ADDRESS: EFFINGHAM COUNTY MEMORIAL AIRPORT  
 EFFINGHAM, IL. 62401

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.	DESCRIPTION	ELEV.
1	NGS STEEL ROD 127' EAST 1-19 @ 76.8' NE 11-29 @	573.99
2	TOP OF SW BOLT OF BEACON BASE	584.84
3	CHISELED SQUARE NW CORNER PLASI FOUNDATION	570.85

BY	
REVISION	
DATE	

EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS

A.I.P. PROJ.: 3-17-0040-B10  
 I.L. PROJ.: 1H2-3688

FILE PROJECT NO. 80407RWYD 0800	
PLANNING R-003SFY.DWG	
Scale 1" = 300'	
Date 02/28/07	
LAYOUT KDM	02/28/07
DRAWN BAK	02/28/07
REVIEWED CAH	xx/xx/xx



RECONSTRUCT  
 RUNWAY 1-19

PROPOSED  
 SAFETY  
 PLAN

3  
 3 of 32 sheets

**BORROW AREA NOTES**

A PORTION OF THE PROPOSED BORROW AREA SHOWN ON THIS SHEET WILL BE EXCAVATED AND USED FOR THE SHOULDER ADJUSTMENTS ALONG RUNWAY 1-19. PRIOR TO EXCAVATION ACTIVITIES, A LINE OF SILT FENCE WILL BE INSTALLED AS DETAILED TO PREVENT EROSION FROM THE BORROW AREA. THIS SILT FENCE WILL BE LAID OUT AND MEASURED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM:  
AR156510 SILT FENCE \_\_\_\_\_ 500 L.F.

THE EARTH MATERIAL WILL BE DISCED/PULVERIZED PRIOR TO PLACEMENT.

ONCE THE EXCAVATION FROM THE BORROW AREA IS COMPLETE, THE AREA WILL BE SMOOTH GRADED TO DRAIN AND RESEEDED IN ACCORDANCE TO AR901 SPECIFICATION. ANY DAMAGE TO SURROUNDING AREAS BY TRAVERSING TO THE BORROW AREA WILL ALSO BE REPAIRED TO THE SATISFACTION OF THE RESIDENT ENGINEER. THE DISCING, GRADING AND SEEDING WORK SHALL BE CONSIDERED PART OF "AR152480 SHOULDER ADJUSTMENT" AND NO OTHER COMPENSATION WILL BE ALLOWED.

**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 THIS SHEET.

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

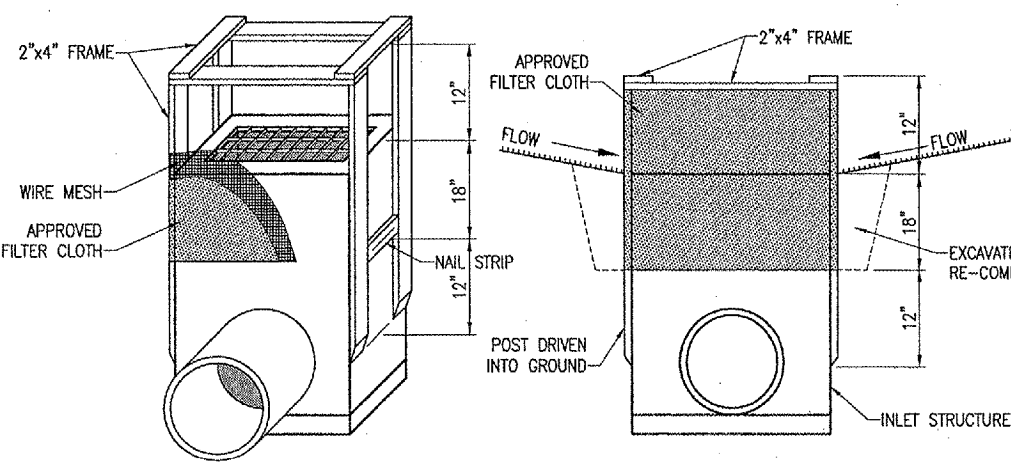
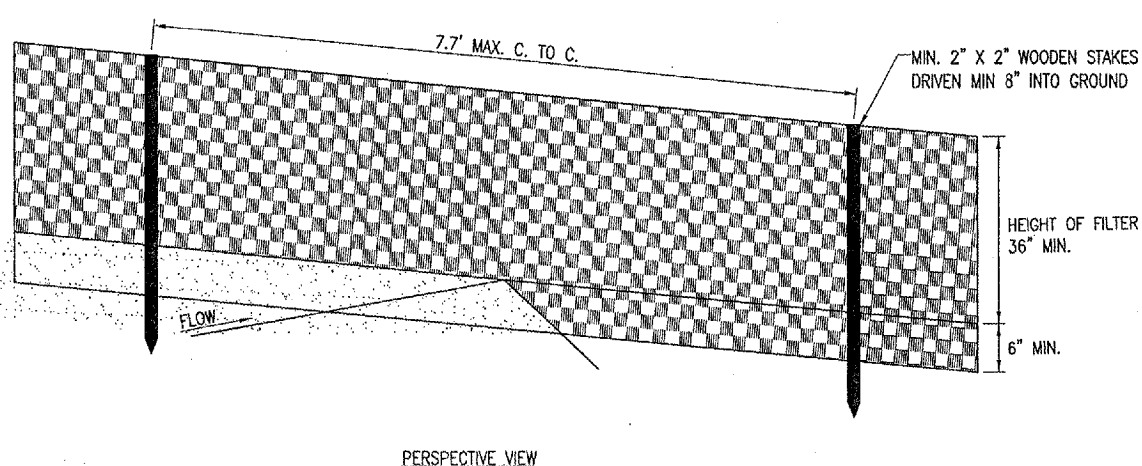
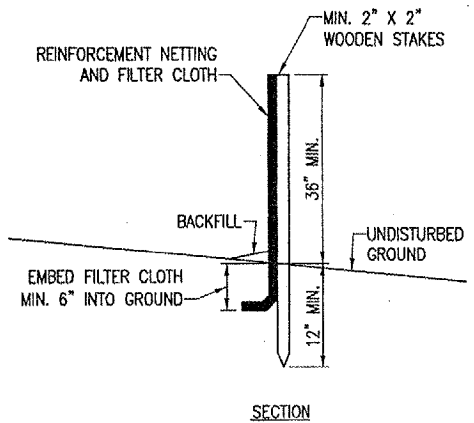
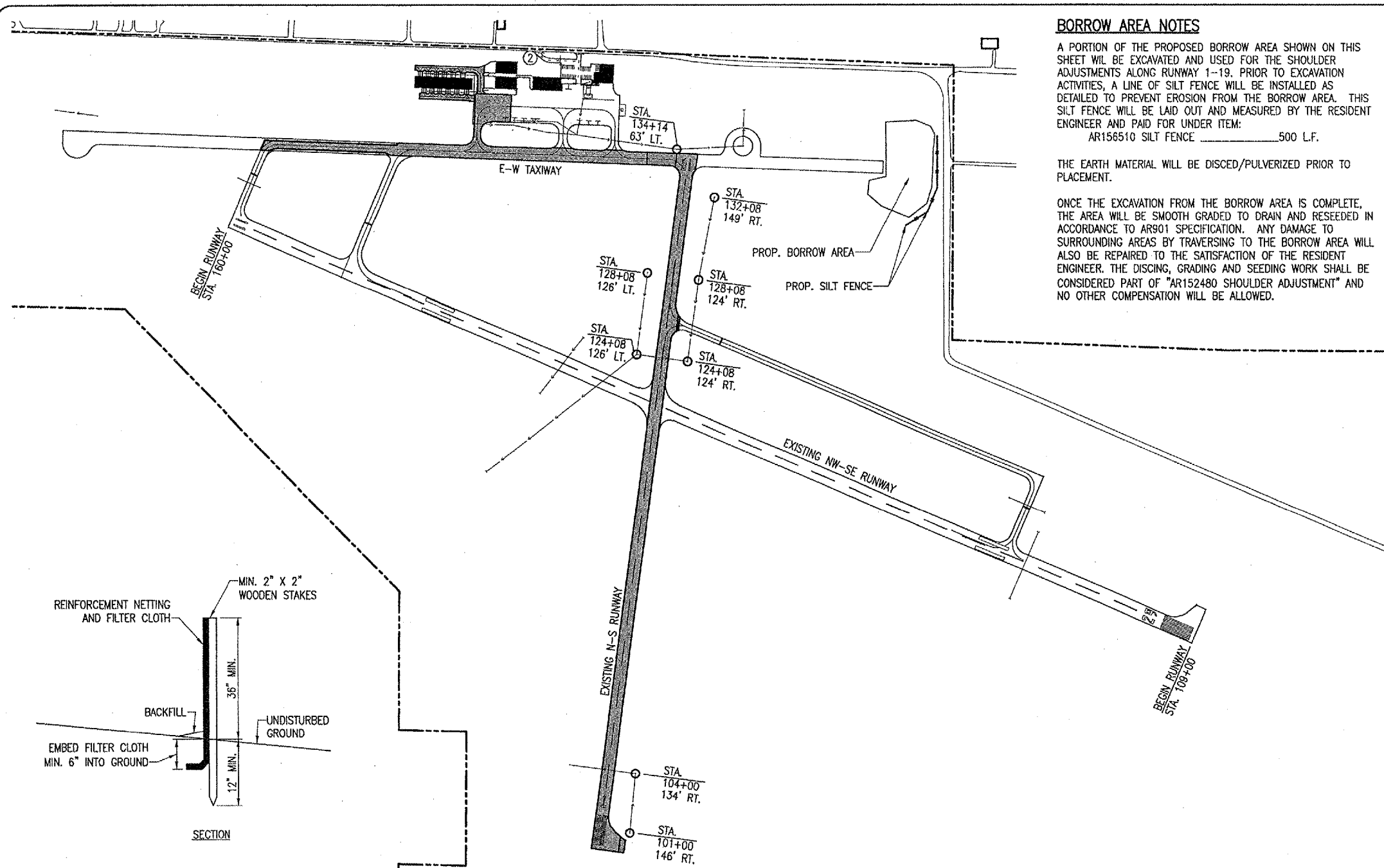
INLET PROTECTIONS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM WATER DRAINAGE.

COST OF REMOVAL AND REPLACEMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM AR156520 INLET PROTECTION.

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 SHOWN ON THIS SHEET.

EXCELSIOR BLANKET WILL BE PLACED ON THE MAJORITY (8' OF 10') OF THE SHOULDER ADJUSTMENT TO PREVENT EROSION OF THE SHOULDER ADJUSTMENT SOIL. FOR MORE DETAILS OF THE EXCELSIOR BLANKET LOCATIONS, SEE THE PROPOSED CONSTRUCTION PLAN AND TYPICAL SECTION SHEETS.



**LEGEND**

	EXISTING IMPROVEMENTS
	PROPOSED IMPROVEMENTS
	EXISTING BUILDINGS
	PROPOSED INLET PROTECTION
	PROPOSED SILT FENCE

DATE	REVISION	BY

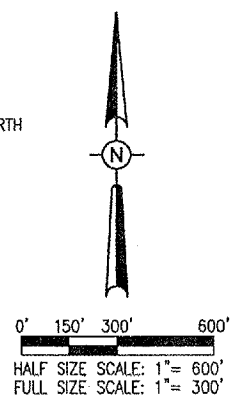
EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS

A.I.P. PROJ.: 3-17-0040-B10  
 IL PROJ.: 1H2-3688

ILL. Project No. 00407RMYD.0800 Drawing No. R-181SMP.DWG Scale 1" = 300' Date 02/28/07	LAYOUT KCM 02/28/07 DRAWN BAK 02/28/07 REVIEWED CAH 04/23/07
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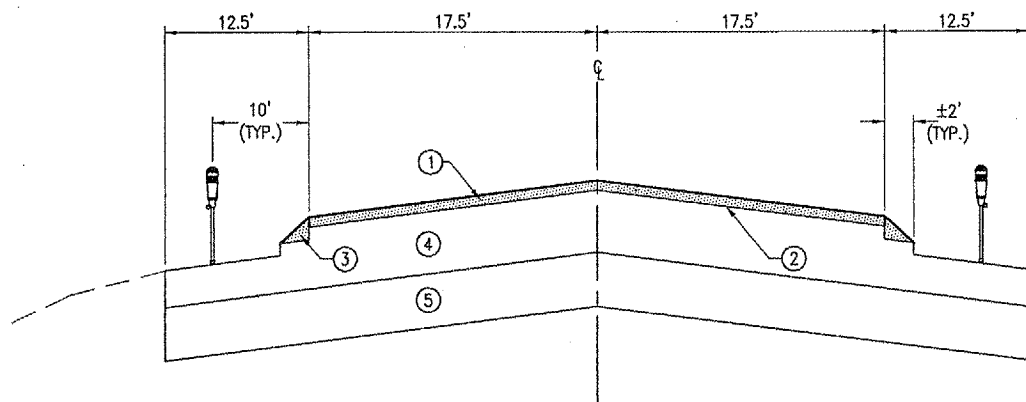


RECONSTRUCT  
 RUNWAY 1-19  
 PROPOSED  
 STORMWATER POLLUTION  
 PREVENTION PLAN



APR 27, 2007 8:22 AM BAK  
 I:\AIRPORTS\EFFINGHAM\804-07RWY\_AIRPORT\_SHEETS\R-181SMP.DWG - SWPPP



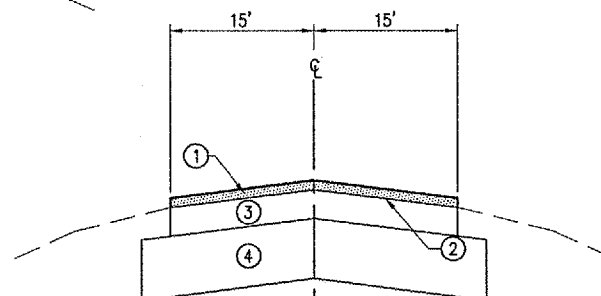


**EAST-WEST TAXIWAY TYPICAL SECTION**

STA. 209+77 TO STA. 216+00  
"NOT TO SCALE"

**LEGEND**

- ① PROPOSED AR402622: POROUS FRICTION COURSE, 0.10'
- ② PROPOSED AR603510: BITUMINOUS TACK COAT (0.25 GAL/S.Y.)
- ③ PROPOSED AR402622: POROUS FRICTION TAPER
- ④ EXISTING BITUMINOUS PAVEMENT (7 1/2")
- ⑤ EXISTING AGGREGATE BASE (6"-7")

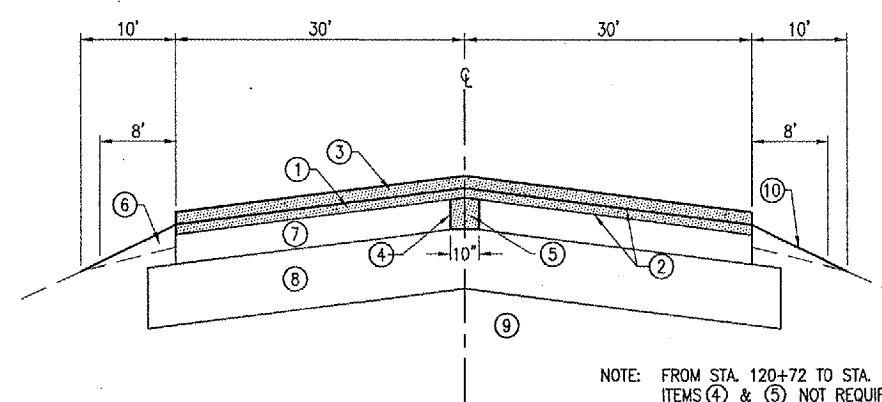


**CROSS-OVER TAXIWAY TYPICAL SECTION**

"NOT TO SCALE"

**LEGEND**

- ① PROPOSED AR402622: POROUS FRICTION COURSE, 0.10'
- ② PROPOSED AR603510: BITUMINOUS TACK COAT (0.25 GAL/S.Y.)
- ③ EXISTING BITUMINOUS PAVEMENT (4")
- ④ EXISTING AGGREGATE BASE (11")



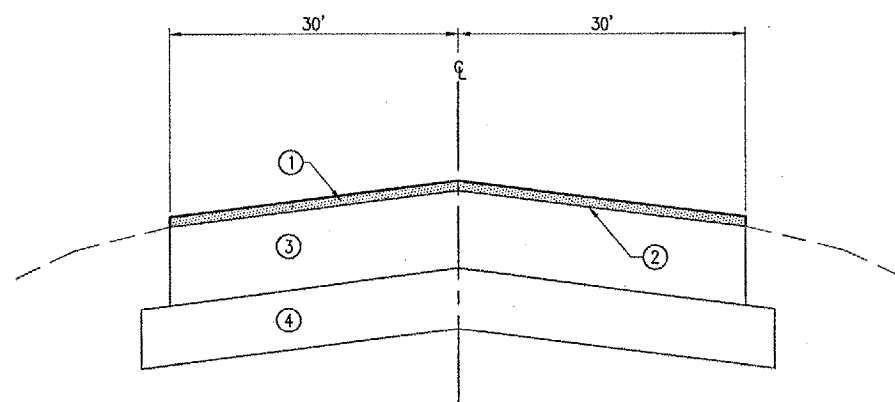
**RUNWAY 1-19 TYPICAL SECTION**

STA. 100+00 TO STA. 120+72  
STA. 123+00 TO STA. 134+00  
"NOT TO SCALE"

NOTE: FROM STA. 120+72 TO STA. 123+00,  
ITEMS ④ & ⑤ NOT REQUIRED

**LEGEND**

- ① PROPOSED AR402622: POROUS FRICTION COURSE, 0.10'
- ② PROPOSED AR603510: BITUMINOUS TACK COAT (0.25 GAL/S.Y.)
- ③ PROPOSED AR401610: BITUMINOUS SURFACE COURSE (1 1/2")
- ④ PROPOSED AR603510: BITUMINOUS TACK COAT (0.05 TO 0.10 GAL/S.Y.)
- ⑤ PROPOSED AR401610: BITUMINOUS SURFACE COURSE (± 3")
- ⑥ PROPOSED AR152480: SHOULDER ADJUSTMENT
- ⑦ EXISTING BITUMINOUS PAVEMENT (± 3")
- ⑧ EXISTING BITUMINOUS PAVEMENT (± 8")
- ⑨ EXISTING LIME STABILIZED SUBGRADE
- ⑩ PROPOSED AR156532 EXCELSIOR BLANKET

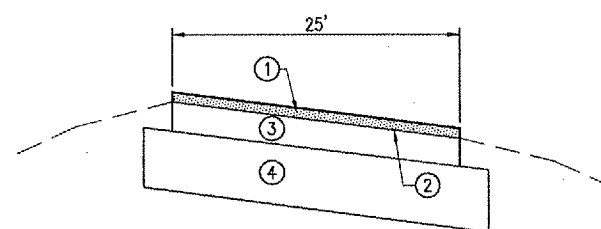


**EAST-WEST TAXIWAY TYPICAL SECTION**

STA. 216+00 TO STA. 230+00  
"NOT TO SCALE"

**LEGEND**

- ① PROPOSED AR402622: POROUS FRICTION COURSE, 0.10'
- ② PROPOSED AR603510: BITUMINOUS TACK COAT (0.25 GAL/S.Y.)
- ③ EXISTING BITUMINOUS PAVEMENT (8"-9")
- ④ EXISTING AGGREGATE BASE (6"-7")

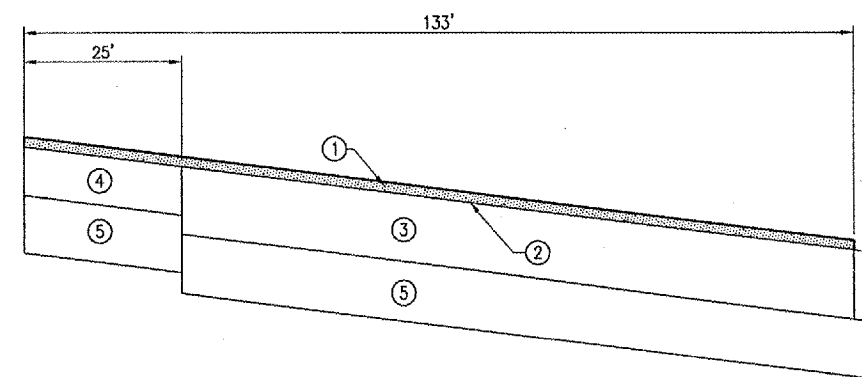


**T-HANGAR TYPICAL SECTION**

"NOT TO SCALE"

**LEGEND**

- ① PROPOSED AR402622: POROUS FRICTION COURSE, 0.10'
- ② PROPOSED AR603510: BITUMINOUS TACK COAT (0.25 GAL/S.Y.)
- ③ EXISTING BITUMINOUS PAVEMENT (4")
- ④ EXISTING AGGREGATE BASE (4")



**APRON**

"NOT TO SCALE"

**LEGEND**

- ① PROPOSED AR402622: POROUS FRICTION COURSE, 0.10'
- ② PROPOSED AR603510: BITUMINOUS TACK COAT (0.25 GAL/S.Y.)
- ③ EXISTING BITUMINOUS PAVEMENT (7")
- ④ EXISTING BITUMINOUS PAVEMENT (6")
- ④ EXISTING AGGREGATE BASE (6")

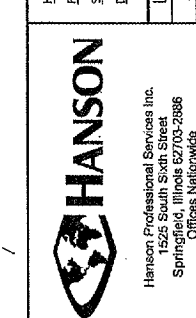
APR 27, 2007 8:23 AM BAK I:\AIRPORTS\EFFINGHAM\804-07RWY\AIRPORT\SHEETS\R-121CON.DWG - TYPICAL SECTIONS

DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

A.I.P. PROJ.: 3-17-0040-B10  
ILL. PROJ.: 112-368B

HEI Project No. 80407RWYD 0800	03/01/07
File Name: R-121CON.DWG	KDM
Scale: NOT TO SCALE	KDM
Date: 03/01/07	CAH
LAYOUT	04/23/07
DRAWN	03/01/07
REVIEWED	03/01/07



RECONSTRUCT  
RUNWAY 1-19

PROPOSED  
TYPICAL  
SECTIONS

**POROUS FRICTION COURSE NOTES**

THE PROPOSED POROUS FRICTION COURSE WILL BE CONSTRUCTED IN ONE LAYER, HAVING A COMPACTED NOMINAL THICKNESS OF 0.10 FOOT IN ACCORDANCE WITH ITEM AR402622 AND THE SPECIAL PROVISIONS.

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.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:  
AR402622 - POROUS FRICTION COURSE, 0.10' - PER S.Y.

**BITUMINOUS TACK COAT NOTES**

PRIOR TO THE PLACEMENT OF THE PROPOSED 402 "POROUS FRICTION COURSE", THE AREA TO BE OVERLAID WITH THE POROUS FRICTION COURSE WILL BE SPRAYED WITH THE TWO APPLICATIONS OF A BITUMINOUS TACK COAT. AN APPLICATION RATE OF 0.25 GALLONS PER SQUARE YARD WAS USED FOR CALCULATING THE QUANTITY OF TACK COAT FOR THESE APPLICATIONS.

AT THE DISCRETION OF THE ENGINEER, ONE APPLICATION OF BITUMINOUS TACK MAY BE SPRAYED BEFORE THE PLACEMENT OF THE BITUMINOUS SURFACE COURSE. THE PLAN QUANTITY IS BASED ON ONE APPLICATION AT A RATE OF 0.25 GALLONS PER SQUARE YARD. THE ACTUAL APPLICATION RATE WILL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:  
AR603510 "BITUMINOUS TACK COAT" - PER GAL.

**AR401610 BITUMINOUS SURFACE COURSE - METHOD 1, SUPERPAVE**

THE BITUMINOUS SURFACE COURSE (401) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR401003 "BITUMINOUS SURFACE COURSE-METHOD 1, SUPERPAVE" AS STATED ON PAGE 269 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THIS ITEM OF WORK SHALL CONSIST OF CONSTRUCTING ONE LIFT OF BITUMINOUS SURFACE COURSE (1-1/2 INCH DEPTH) ON THE PROPOSED POROUS FRICTION COURSE PAVEMENT.

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

THE PROPOSED BITUMINOUS SURFACE COURSE WILL BE DESIGNED TO A SUPERPAVE DESIGN OF LESS THAN 60,000 POUNDS FOR RUNWAY/TAXIWAY PAVEMENTS.

401-4.9 ADD THE FOLLOWING PARAGRAPH AFTER THE FOURTH PARAGRAPH:

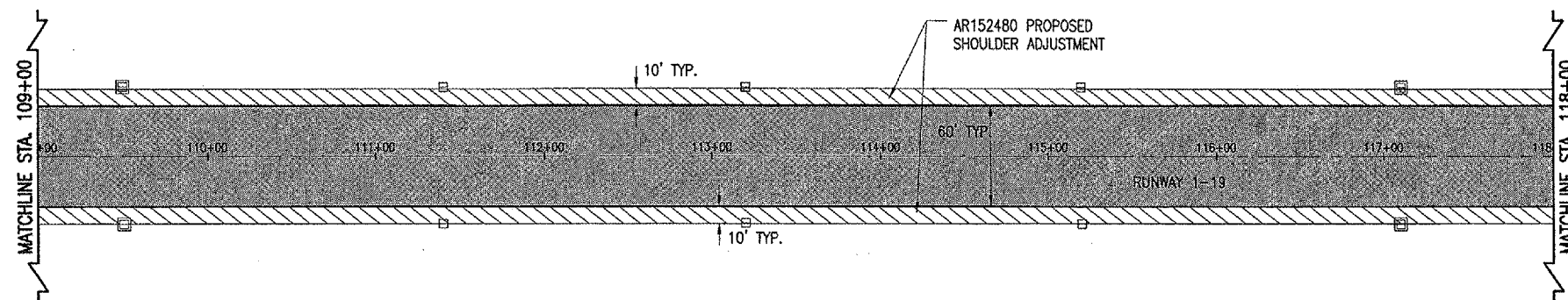
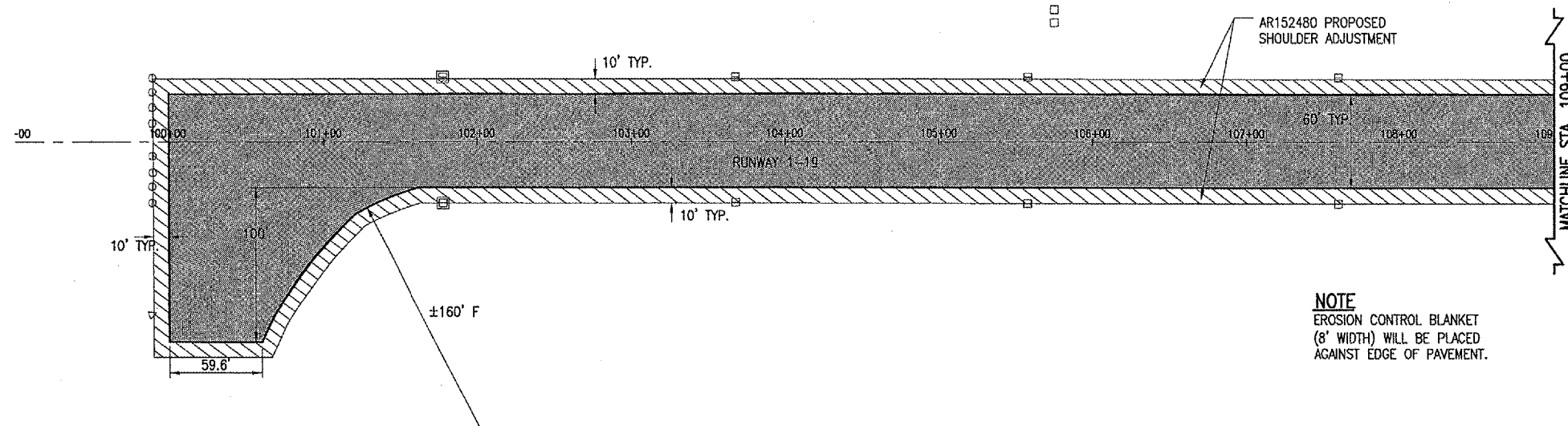
"TAUT STRINGLINE WILL ONLY BE REQUIRED TO BE SET AT THE PROPOSED GRADES OF THE RUNWAY INTERSECTION FROM STATION 118+75 TO STATION 125+00. THE FIRST LANE PAVED WILL REQUIRE STRINGLINE CONTROL ON ONE SIDE OF THE PAVER AND EITHER STRINGLINE OR MATCHING SHOE ON THE OTHER SIDE OF THE PAVER. THE PAVER WILL PLACE A CONSTANT DEPTH OF 1-1/2 INCHES UP TO THIS STATIONING, AT WHICH THE PAVER'S GRADE CONTROL SYSTEM WILL BE SET ONTO THE STRINGLINE/MATCHING SHOE TO CONTROL GRADE ON BOTH SIDES OF THE PAVER. THE GRADE CONTROL FOR THE ADJACENT LANES OF PAVEMENT SHALL BE MAINTAINED SIMILARLY BY USING A MATCHING SHOE ON THE PREVIOUS LAID PAVEMENT AND A STRINGLINE THROUGH THE RUNWAY INTERSECTION ON THE OUTER EDGE OF THE NEXT LANE. A STRINGLINE AND MATCHING SHOE SHALL BE USED ON THE SUBSEQUENT LANES UNTIL THE OUTSIDE EDGE IS TO MATCH THE EXISTING PAVEMENT WHICH WILL NECESSITATE A MATCHING SHOE."

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.

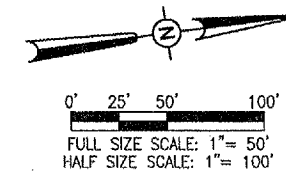
401-4.12 ADD THE FOLLOWING TO THIS PARAGRAPH:

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. THE PROPOSED PAVEMENT ON THE RUNWAY ENDS WILL BE SAWED. NO ADDITIONAL COMPENSATION WILL BE MADE IF THE SAWING METHOD IS USED.



**LEGEND**

- PROPOSED SHOULDER ADJUSTMENT
- PROPOSED BITUMINOUS PAVEMENT OVERLAY
- EXISTING STAKE MOUNTED RUNWAY LIGHT
- EXISTING BASE MOUNTED RUNWAY LIGHT
- EXISTING STAKE MOUNTED THRESHOLD LIGHT
- EXISTING VADI
- EXISTING REIL



DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

ALP. PROJ.: 3-17-0040-B10  
IL. PROJ.: 1H2-3688

ILL. Project No. 80407RWYD.0800 Filename: R-121CON.DWG Scale: 1" = 50' Date: 02/15/07	LAYOUT CCC 02/15/07 DRAWN KDM 02/15/07 REVIEWED CAH 04/23/07
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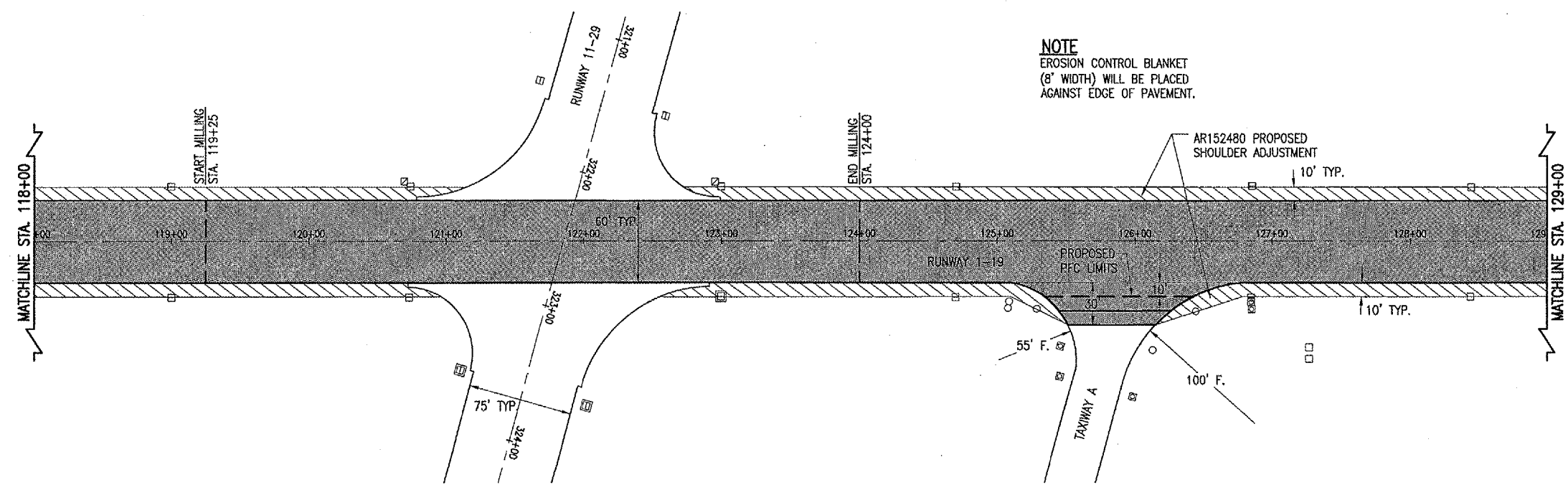
**HANSON**

Hanson Professional Services Inc.  
1125 South Sixth Street  
Springfield, Illinois 62703-2868  
Offices Nationwide

RECONSTRUCT  
RUNWAY 1-19

PROPOSED CONSTRUCTION  
PLAN FOR RUNWAY 1-19  
STA. 99+00 TO STA. 118+00

APR 27, 2007 8:22 AM BAK I:\AIRPORTS\EFFINGHAM\804-07RWY\AIRPORT\_SHEETS\R-121CON.DWG - Sta. 99+00 to Sta. 118+00



**NOTE**  
 EROSION CONTROL BLANKET  
 (8' WIDTH) WILL BE PLACED  
 AGAINST EDGE OF PAVEMENT.

**SHOULDER ADJUSTMENT NOTE**

THE GRADING WILL HAVE A 1-1/2" DROP FROM THE PAVEMENT EDGE AND TAPERING TO THE EXISTING GROUND IN EIGHT FEET. 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 ON-SITE LOCATED NEAR THE EAST END OF THE E-W TAXIWAY AS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN.

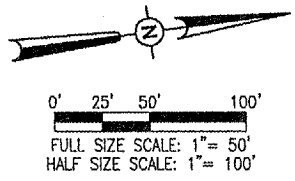
THE EXISTING SHOULDER AREA WILL BE MOWED AND DISKED/TILLED PRIOR TO PLACING THE EARTH MATERIAL. THE AREA WILL BE DISKED/TILLED UNTIL THE SOD HAS BEEN COMPLETELY CUT UP. ANY CHUNKS OF SOD WILL BE REMOVED PRIOR TO THE PLACEMENT OF THIS EARTH MATERIAL.

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 \_\_\_\_\_ 7,239 S.Y.

- LEGEND**
- EXISTING PAVEMENT
  - PROPOSED SHOULDER ADJUSTMENT
  - PROPOSED BITUMINOUS PAVEMENT OVERLAY
  - PROPOSED PFC LIMITS
  - EXISTING STAKE MOUNTED RUNWAY LIGHT
  - EXISTING BASE MOUNTED RUNWAY LIGHT
  - EXISTING STAKE MOUNTED TAXIWAY LIGHT
  - EXISTING BASE MOUNTED TAXIWAY LIGHT
  - EXISTING VADI
  - EXISTING SPLICE CAN



DATE	REVISION	BY

EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS

IL PROJ.: 1H2-3688 A.I.P. PROJ.: 3-17-0040-B10

HEL Project No. 80407RWD.0800	LAYOUT	CCC	02/15/07
Revision R-121CON.DWG	DRAWN	KDM	02/15/07
Scale 1" = 50'	REVIEWED	CAH	04/23/07
Date 02/15/07			



Hanson Professional Services Inc.  
 1522 South State Street  
 Springfield, IL 62769-2886  
 Offices Nationwide

RECONSTRUCT  
 RUNWAY 1-19  
 PROPOSED CONSTRUCTION  
 PLAN FOR RUNWAY 1-19  
 STA. 118+00 TO STA. 129+00

**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.

THE PROPOSED SEEDING WILL BE PAID FOR UNDER ITEM:  
AR901510 SEEDING \_\_\_\_\_ 1.5 ACRES

**EROSION CONTROL BLANKET NOTES**

AN EROSION CONTROL MATERIAL(EXCELSIOR BLANKET) EIGHT FEET IN WIDTH WILL BE INSTALLED AT THE SHOULDER ADJUSTMENT LOCATIONS ADJACENT TO THE EDGE OF THE PAVEMENT AS SHOWN ON THIS SHEET AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM  
AR908520 "EXCELSIOR BLANKET" \_\_\_\_\_ 5,791 S.Y.

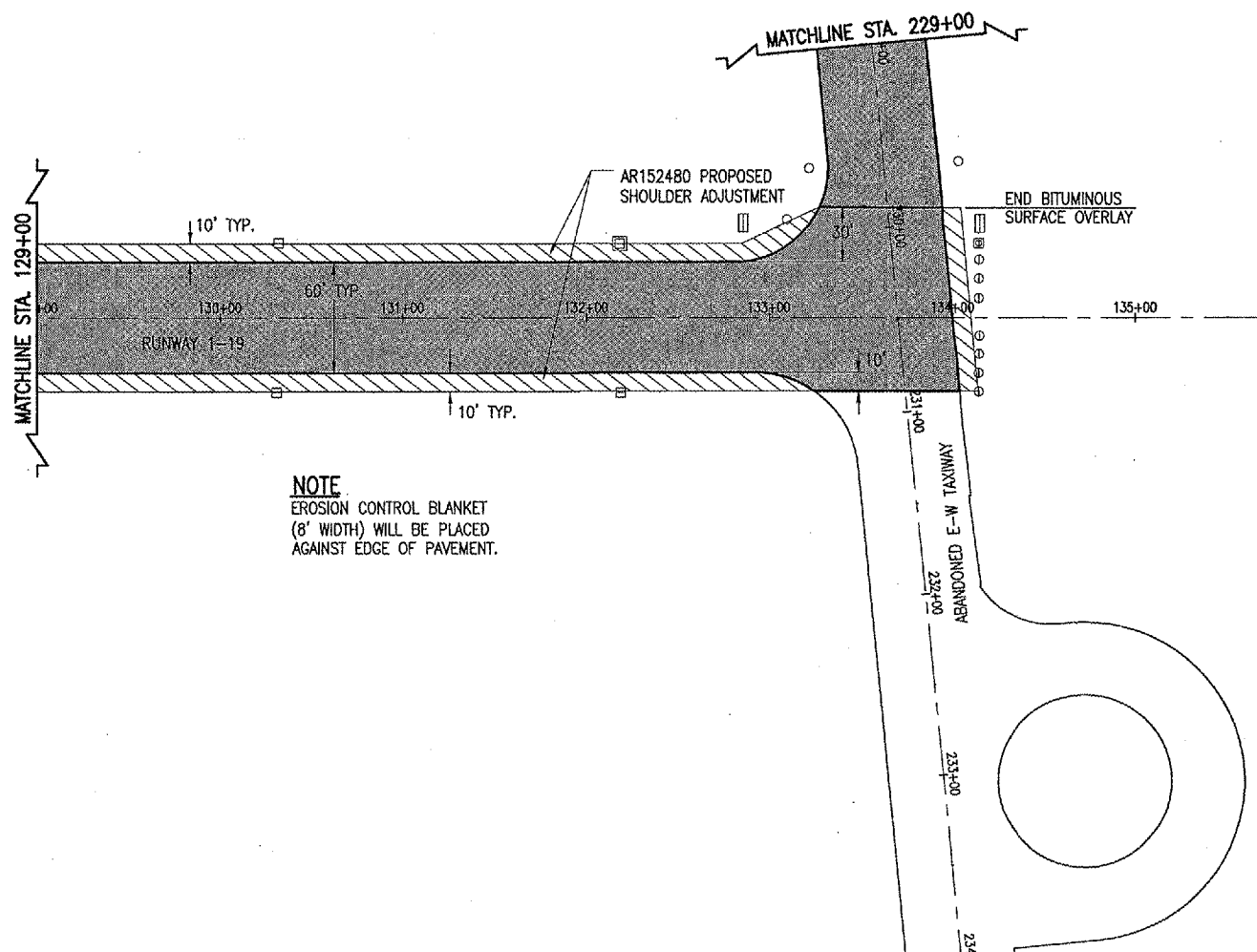
**RUNWAY 1-19 QUANTITIES**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS BUILT QUANTITY
AR152480	SHOULDER ADJUSTMENT	S.Y.	7,239	
AR401610	BITUMINOUS SURFACE COURSE	TON	2,099	
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	24,827	
AR603510	BITUMINOUS TACK COAT	GAL.	12,117	
AR901510	SEEDING	ACRE	1.50	
AR908520	MULCHING	S.Y.	5,791	

**NOTE**  
RUNWAY 1-19 QUANTITIES INCLUDE TO STA. 229+00

**THRESHOLD LIGHT REMOVAL NOTE**

TEN FEET OFF EACH END OF THE RUNWAY ARE EIGHT EXISTING THRESHOLD LIGHTS. FOUR TO SIX OF THESE LIGHTS ON EACH END MAY BE IN THE PATH OF THE PAVING TRAIN(PAVER + TRUCK). THE CONTRACTOR, AT HIS DISCRETION MAY REMOVE THESE LIGHTS TO ALLOW FOR CLEARANCE OF THIS PAVING TRAIN. THE CONTRACTOR WILL DOCUMENT ANY EXISTING PROBLEMS/DAMAGE TO THESE LIGHTS AND RE-INSTALL THEM IN THE SAME LOCATION TO PRE-CONSTRUCTION CONDITION. THIS WILL BE AN ITEM THAT IS CONSIDERED PART OF THE PAVING OPERATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



**NOTE**  
EROSION CONTROL BLANKET (8' WIDTH) WILL BE PLACED AGAINST EDGE OF PAVEMENT.

**LEGEND**

- EXISTING PAVEMENT
- PROPOSED SHOULDER ADJUSTMENT
- PROPOSED BITUMINOUS PAVEMENT OVERLAY
- EXISTING STAKE MOUNTED RUNWAY LIGHT
- EXISTING BASE MOUNTED RUNWAY LIGHT
- EXISTING STAKE MOUNTED THRESHOLD LIGHT
- EXISTING BASE MOUNTED THRESHOLD LIGHT
- EXISTING STAKE MOUNTED TAXIWAY LIGHT
- EXISTING TAXI GUIDANCE SIGN



0' 25' 50' 100'  
FULL SIZE SCALE: 1" = 50'  
HALF SIZE SCALE: 1" = 100'

DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

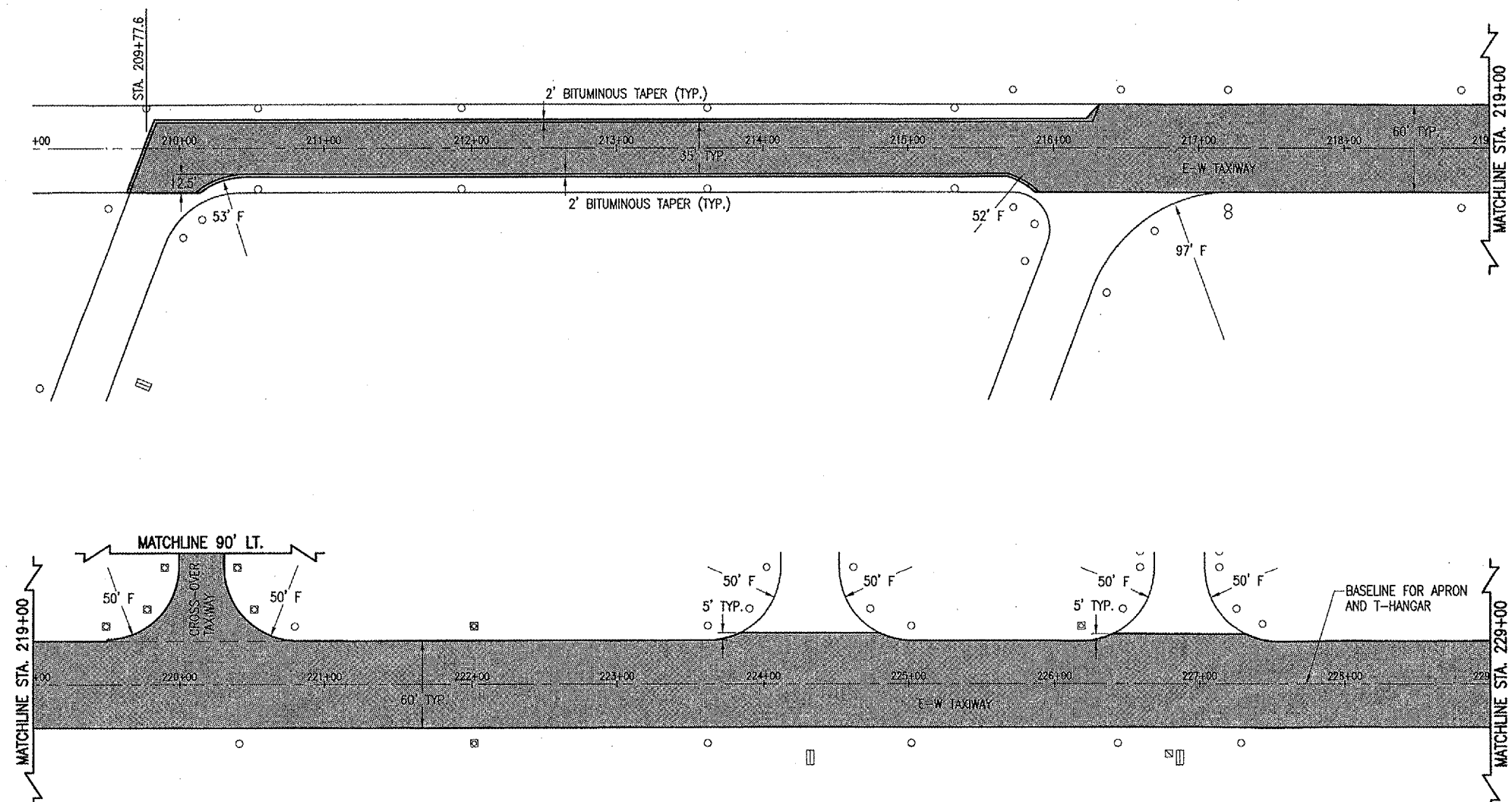
IL PROJ.: 1H2-3888 A.I.P. PROJ.: 3-17-0040-810

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Filename: R-121CON.DWG	KDM	02/15/07
Scale: 1" = 50'	CAH	04/23/07
Date: 02/15/07		
LAYOUT		
DRAWN		
REVIEWED		



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1525 South Sixth Street  
Springfield, Illinois 62705-2886  
Chicago Nationwide

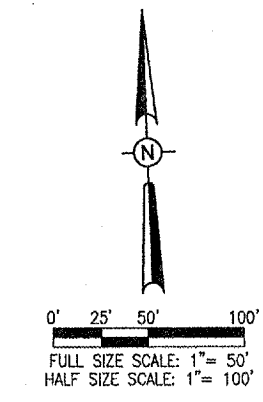
RECONSTRUCT  
RUNWAY 1-19  
PROPOSED CONSTRUCTION  
PLAN FOR RUNWAY 1-19  
STA. 129+00 TO STA. 135+00



EAST - WEST TAXIWAY QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS BUILT QUANTITY
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	11,477	
AR603510	BITUMINOUS TACK COAT	GAL.	3,018	

**NOTE**  
EAST-WEST TAXIWAY QUANTITIES BEGIN AT STA. 229+00, BUT DO NOT INCLUDE CROSS-OVER TAXIWAY.

- LEGEND**
- EXISTING PAVEMENT
  - PROPOSED POROUS FRICTION COURSE OVERLAY
  - EXISTING STAKE MOUNTED TAXIWAY LIGHT
  - EXISTING BASE MOUNTED TAXIWAY LIGHT
  - EXISTING TAXIWAY REFLECTOR
  - EXISTING SPLICE CAN
  - EXISTING TAXI GUIDANCE SIGN



DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

A.I.P. PROJ.: 3-17-0040-B10  
IL. PROJ.: 1H2-3686

ILL. Project No. BC407RWYO_0800 Drawings R-121CON.DWG Scale 1" = 50' Date 02/15/07	LAYOUT CCC 02/15/07 DRAWN KDM 02/15/07 REVIEWED CAH 04/23/07
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RECONSTRUCT  
RUNWAY 1-19

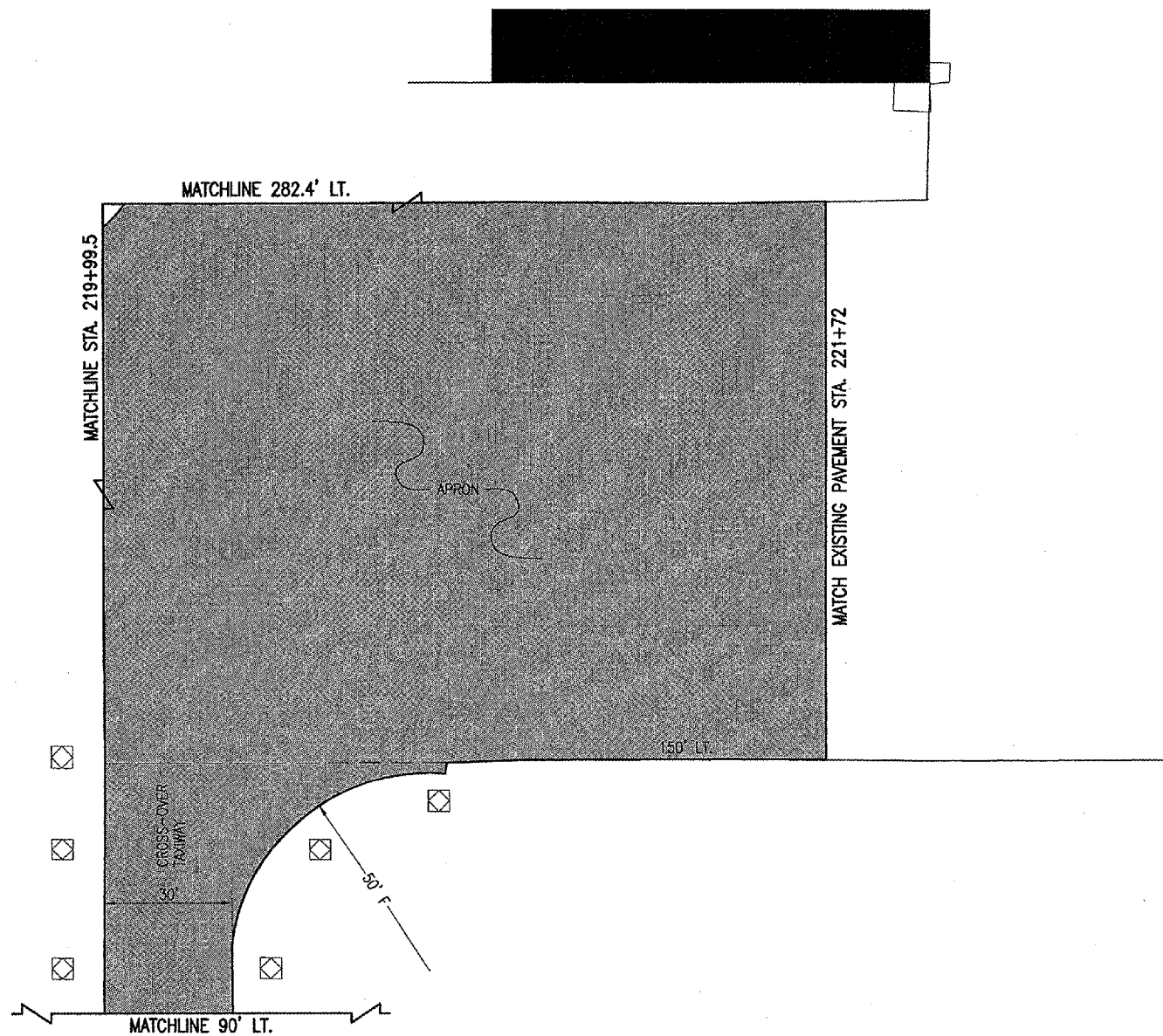
PROPOSED CONSTRUCTION  
PLAN FOR E-W TAXIWAY  
STA. 209+77.60 TO STA. 229+00



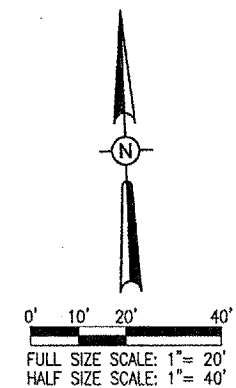
DATE	REVISION	BY

APRON QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS BUILT QUANTITY
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	2,498	
AR603510	BITUMINOUS TACK COAT	GAL.	625	

CROSS-OVER TAXIWAY QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS BUILT QUANTITY
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	607	
AR603510	BITUMINOUS TACK COAT	GAL.	152	



- LEGEND**
- EXISTING PAVEMENT
  - EXISTING BUILDING
  - PROPOSED POROUS FRICTION COURSE OVERLAY
  - X EXISTING TAXIWAY REFLECTOR



EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

IL. PROJ.: 1H2-3688      A.I.P. PROJ.: 3-17-0040-B10

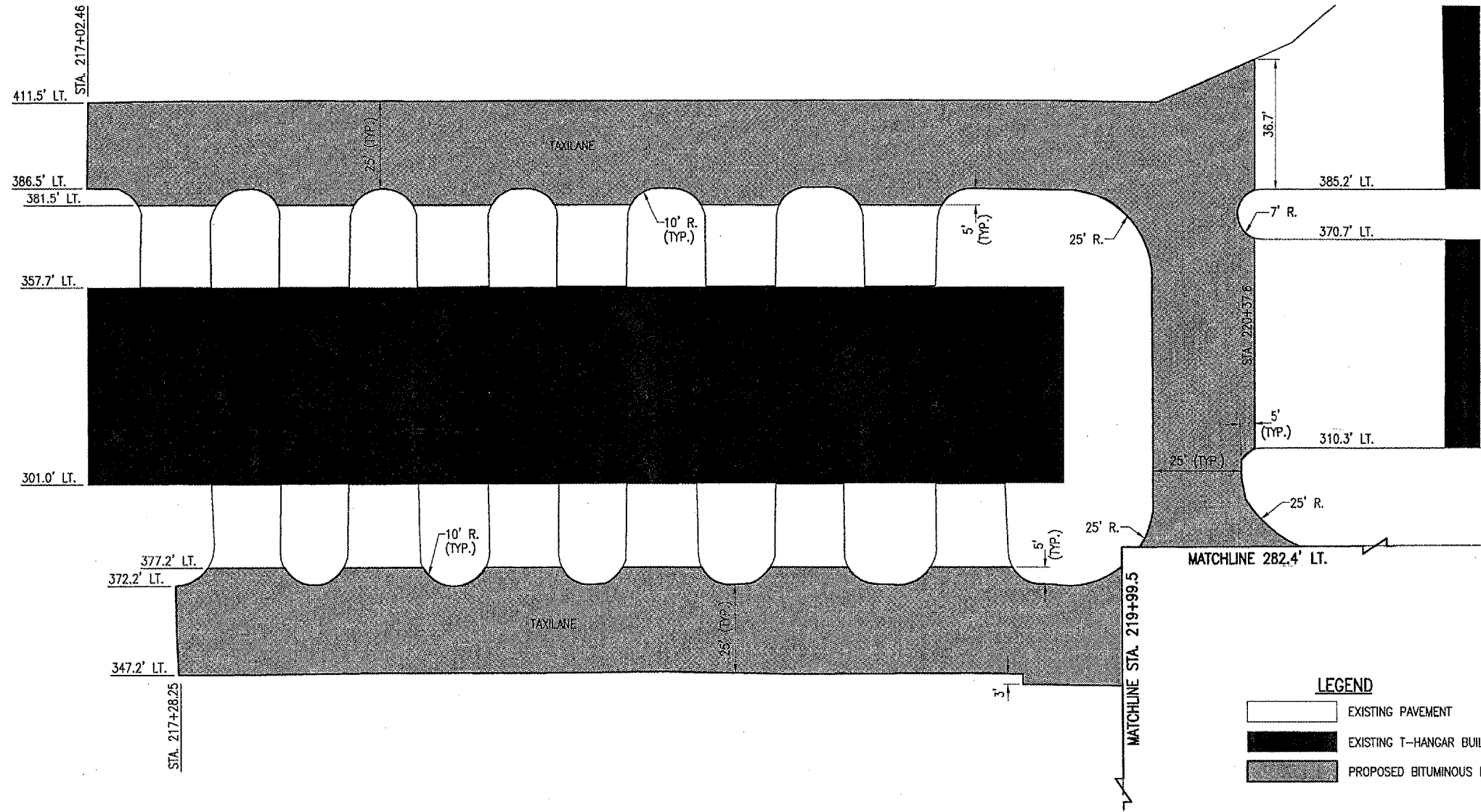
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File Name R-121CON.DWG	KDM	02/15/07
Scale 1" = 20'	CAH	04/23/07
Date 02/15/07		
LAYOUT		
DRAWN		
REVIEWED		

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Springfield, Illinois 62703-2886  
Offices Nationwide

RECONSTRUCT  
RUNWAY 1-19

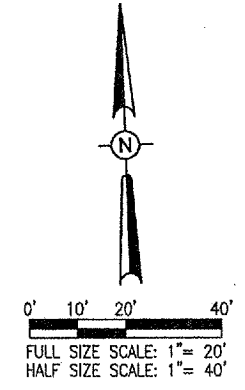
PROPOSED  
CONSTRUCTION PLAN  
FOR APRON



**LEGEND**

- EXISTING PAVEMENT
- EXISTING T-HANGAR BUILDING
- PROPOSED BITUMINOUS PAVEMENT

T-HANGAR QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS BUILT QUANTITY
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	2,228	
AR603510	BITUMINOUS TACK COAT	GAL.	557	



DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

IL. PROJ.: 1H2-3688 A.I.P. PROJ.: 3-17-0040-B10

FILE PROJECT NO.	DATE	LAYOUT	BAK
80407RWYD_0800	02/15/07		
FILE PROJECT NO.	DATE	DRAWN	KDM
R-121CON.DWG	02/15/07		
SCALE	DATE	REVIEWED	CAH
1" = 20'	02/15/07		

**HANSON**

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1325 South Scott Street  
Springfield, Illinois 62793-2886  
hanson@hanson.com

RECONSTRUCT  
RUNWAY 1-19

PROPOSED  
CONSTRUCTION PLAN  
FOR T-HANGAR

DATE	REVISION	BY


EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

A.I.P. PROJ.: 3-17-0040-610

L. PROJ.: 1H2-3688

LAYOUT	KDM	DATE
DRAWN	JFO	02/28/07
REVIEWED	CAH	04/23/07

HD Project No. 80402RWYD\_0800  
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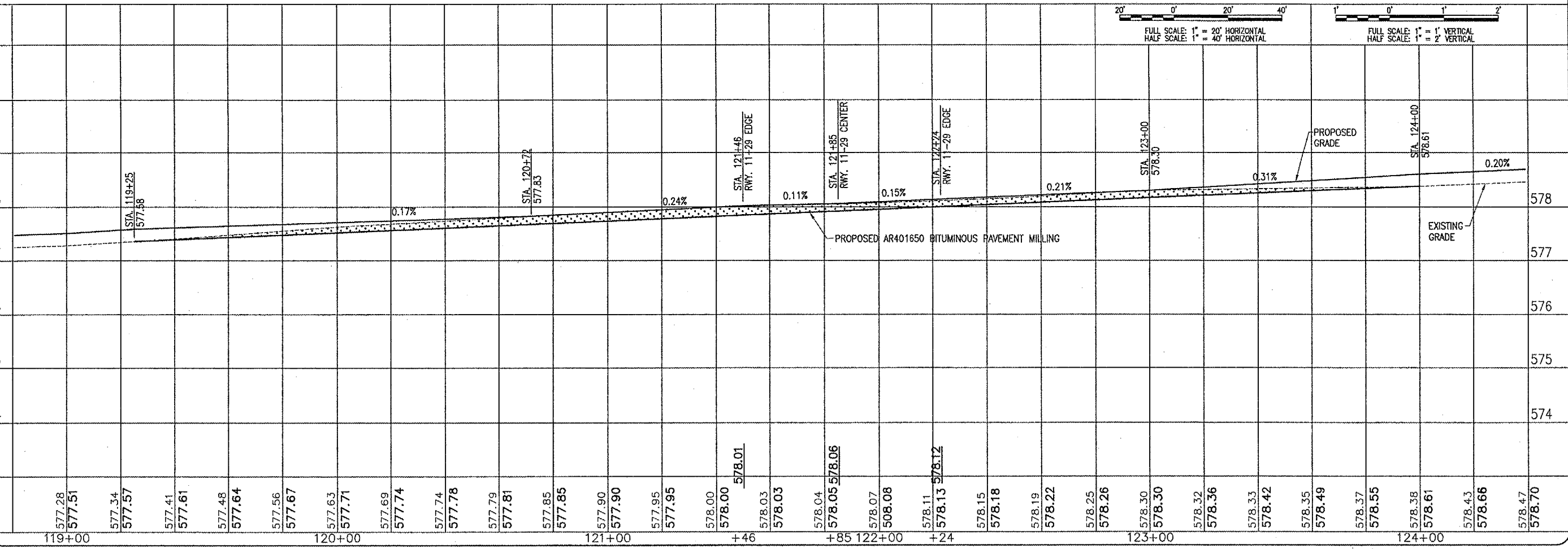
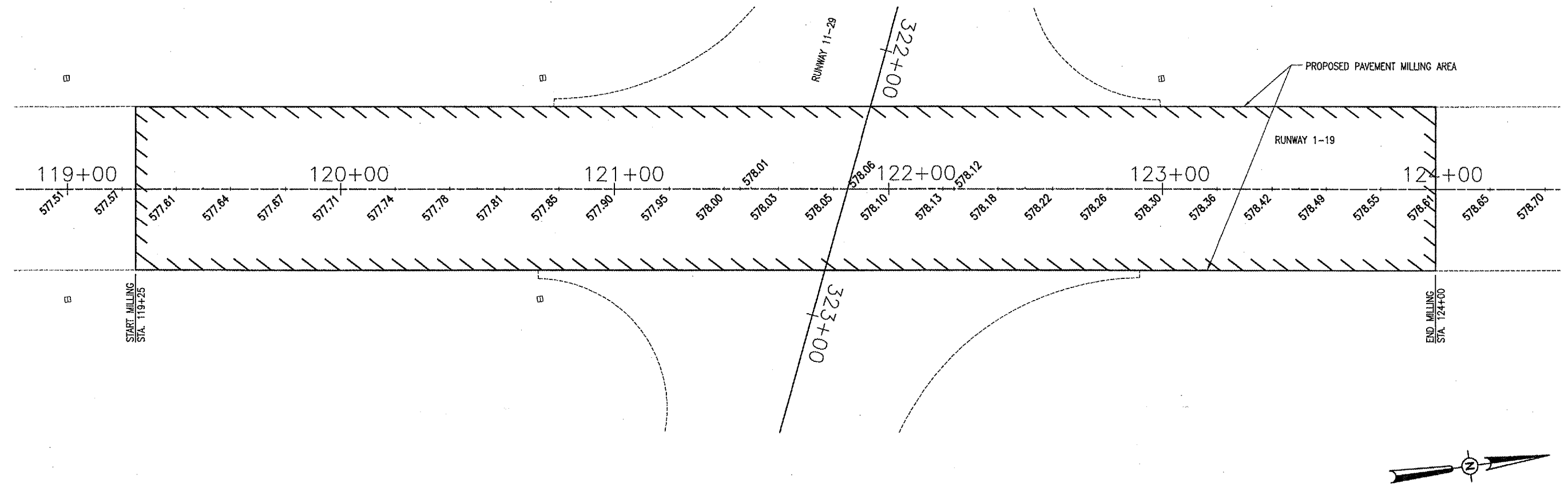


Hanson Professional Services Inc.  
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 Springfield, Illinois 62703-2886  
 Offices Nationwide

RECONSTRUCT  
RUNWAY 1-19

PROPOSED PLAN AND PROFILE  
FOR INTERSECTION OF  
RUNWAY 1-19 AND 11-29

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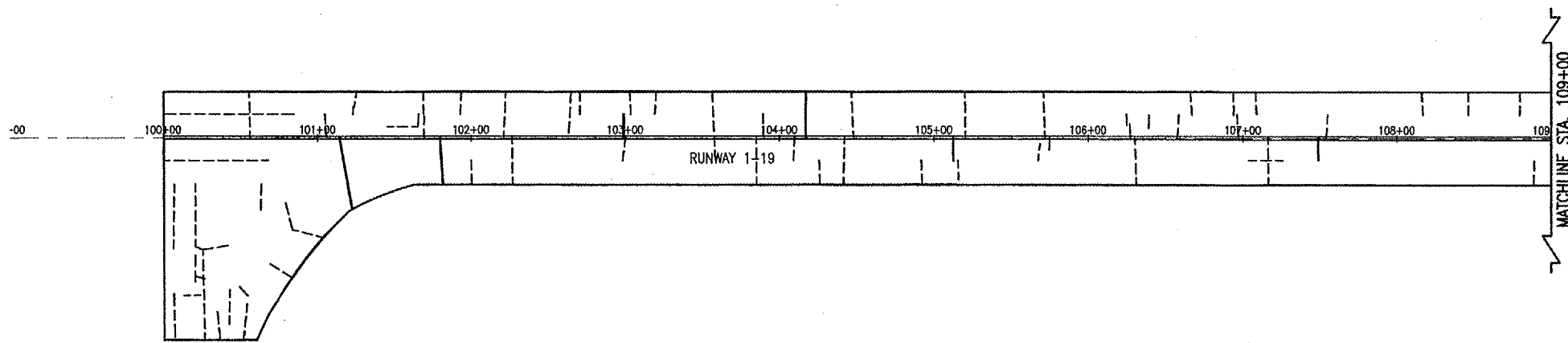
**CLEANING AND SEALING BITUMINOUS CRACKS**

THE PAVEMENT CONDITIONS AND CRACKS WERE IDENTIFIED DURING A SURVEY OF THE EXISTING PAVEMENTS PERFORMED ON JANUARY 2007. THE EXACT AMOUNT OF CRACKS TO BE CLEANED AND SEALED WILL BE THE NUMBER OF LINEAR FEET OF CRACKS MARKED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

ALL CRACKS DESIGNATED BY THE RESIDENT ENGINEER FOR CLEANING AND SEALING WILL BE DONE SO AS STATED IN THE SPECIAL PROVISIONS.

THE PROPOSED PAVEMENT MILLING WILL BE ACCOMPLISHED BEFORE THE CRACKS ARE CLEANED AND SEALED. THE RESIDENT ENGINEER WILL DETERMINE IF THE CRACKS LOCATED IN A MILLED AREA ARE LARGE ENOUGH TO WARRANT CLEANING AND SEALING.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:  
AR201661 "CLEANING & SEALING BITUMINOUS CRACKS" - PER L.F.

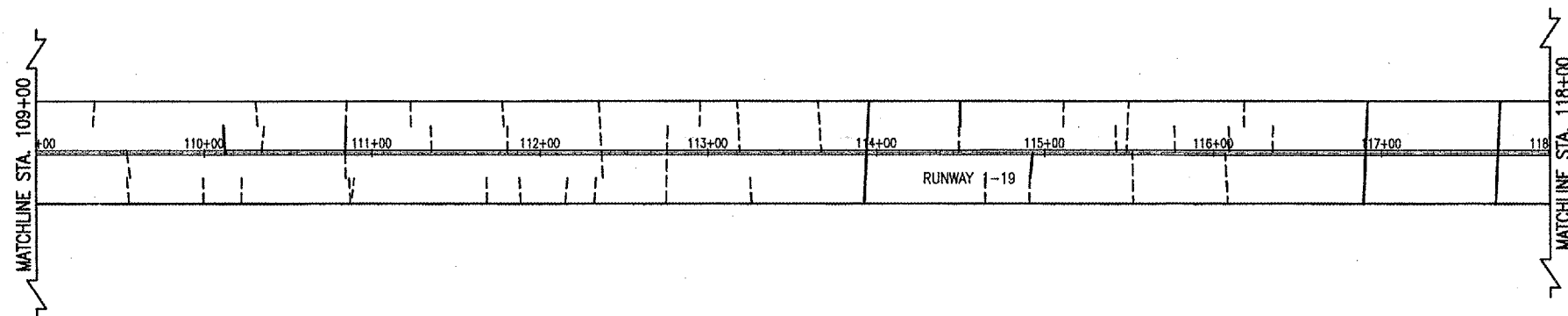


**REMOVE AND REPLACE BITUMINOUS PAVEMENT-TYPE A (4' WIDE)**

THE AREA(S) DESIGNATED AS \_\_\_\_\_ ON THIS SHEET WILL HAVE THE EXISTING BITUMINOUS PAVEMENT SAWED AND REMOVED (FULL DEPTH) AND REPLACED WITH BITUMINOUS SURFACE MIX. THESE AREAS WILL BE MARKED BY THE RESIDENT ENGINEER. PRIOR TO PLACEMENT OF ANY SURFACE MIX, THE BASE WILL BE COMPACTED TO THE SATISFACTION OF THE RESIDENT ENGINEER. THE BITUMINOUS SURFACE MIX USED IN THE REPLACEMENT WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED REMOVAL AND REPLACEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. ALL REMOVED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE.

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

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:  
AR401915 "REMOVE AND REPLACE BITUMINOUS PAVEMENT-TYPE A" - PER S.Y.

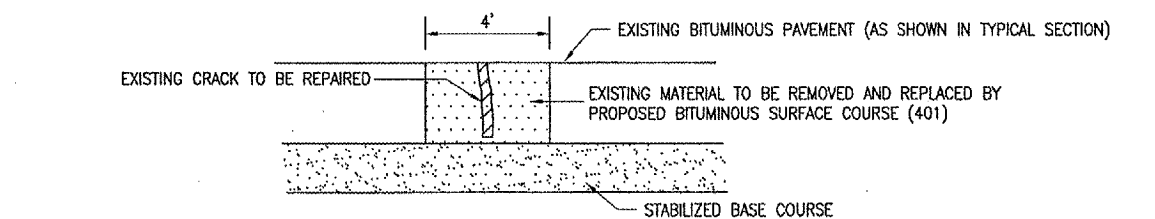


**REMOVE AND REPLACE BITUMINOUS PAVEMENT-TYPE B (10" WIDE)**

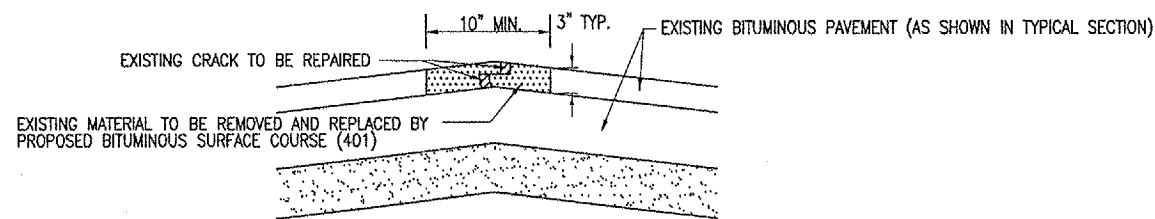
THE AREA(S) DESIGNATED AS \_\_\_\_\_ ON THIS SHEET WILL HAVE THE EXISTING BITUMINOUS PAVEMENT SAWED ±10" IN WIDTH AND A MINIMUM 3" DEEP. THE DEBRIS WILL BE REMOVED AND BROOM CLEANED. A LIGHT TACK COAT WILL BE APPLIED (0.10 GAL/S.Y.) TO THE BOTTOM AND SIDES OF THE REPAIR AREA AND FILLED WITH WITH BITUMINOUS SURFACE MIX. THE BITUMINOUS SURFACE MIX USED IN THE REPLACEMENT WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED REMOVAL AND REPLACEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. ALL REMOVED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE.

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

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:  
AR401916 "REMOVE AND REPLACE BITUMINOUS PAVEMENT-TYPE B" - PER S.Y.

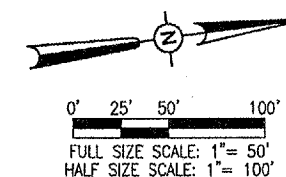


REMOVE & REPLACE BIT. PAVEMENT-TYPE A (4' WIDE)  
"NOT TO SCALE"



REMOVE & REPLACE BIT. PAVEMENT-TYPE B (10" WIDE)  
"NOT TO SCALE"

- LEGEND**
- PROPOSED OVERLAY
  - PROPOSED REM. & REP. BIT. PAVEMENT - TYPE A (4' WIDE)
  - PROPOSED REM. & REP. BIT. PAVEMENT - TYPE B (10" WIDE)
  - CLEAN AND SEAL BITUMINOUS CRACKS

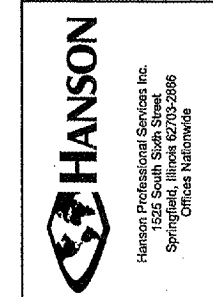


DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

A.I.P. PROJ.: 3-17-0040-B10  
IL PROJ.: 1H2-3688

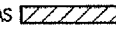
Project No.	80402RWYD_0800
Drawn	R-111PRP.DWG
Scale	1" = 50'
Date	02/15/07
LAYOUT	CCC 02/15/07
DRAWN	KDM 02/15/07
REVIEWED	CAH 04/23/07



RECONSTRUCT  
RUNWAY 1-19  
PROPOSED PAVEMENT  
PREPARATION PLAN  
STA. 99+00 TO STA. 118+00

APR 27, 2007 8:24 AM BAK C:\AIRPORTS\EFFINGHAM\804-07RWY\AIRPORT\SHEETS\R-111PRP.DWG - Sta. 99+00 to Sta. 118+00

**BUTT JOINT CONSTRUCTION**

THE AREA(S) DESIGNATED AS  ON THIS SHEET WILL BE CUT OR TRIMMED FROM A DEPTH OF 1-1/2" TO 0" TO PROVIDE A TRANSITION TO THE PROPOSED PAVEMENT AS SHOWN IN THE CROSS-SECTIONS. THE CUTTING OR TRIMMING WILL BE DONE BY ROTO-MILLING. THE TOLERANCE OF THE MILLING WILL BE AS STATED IN THE STANDARD SPECIFICATIONS.

IF A SQUARE AND TRUE EDGE IS NOT ATTAINED WITH THE MILLING MACHINE, THE EXISTING PAVEMENT WILL BE SAWS. SAWING WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED PAVEMENT MILLING AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE DISPOSAL OF THE MILLED MATERIAL WILL BE AT THE DISCRETION OF THE COUNTY ENGINEER. IF THE COUNTY ENGINEER DECIDES TO UTILIZE THE MATERIAL, IT WILL BE STOCKPILED ON THE EAST END OF THE ABANDONED EAST-WEST TAXIWAY. IF NOT, THE CONTRACTOR WILL DISPOSE OF THE MATERIAL OFF THE AIRPORT SITE.


PRIOR TO APPLYING THE BITUMINOUS OVERLAY ALL MILLED MATERIAL WILL BE BROOMED AND BLOWN CLEAN AND A BITUMINOUS TACK COAT APPLIED. THE VERTICAL FACE OF ALL SAW CUTS WILL BE PAINTED WITH A LIQUID ASPHALT.

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.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:  
AR401655 "BUTT JOINT CONSTRUCTION" - PER S.Y.

**BITUMINOUS PAVEMENT MILLING NOTES**

THE AREA DESIGNATED AS  ON THIS SHEET WILL BE CUT OR TRIMMED AS SHOWN. THE CUTTING OR TRIMMING WILL BE DONE BY ROTO-MILLING. THE MILLER WILL BEGIN TRIMMING AT STA. 119+25 AND TAPER TO A DEPTH OF 0.23' BELOW THE PROPOSED GRADES AT STA. 120+72. THE MILLER WILL CONTINUE REMOVING 0.23' BELOW THE PROPOSED GRADES TO STA. 123+00 AND THEN TAPER TO ZERO BY STA. 124+00. THE TOLERANCE FOR THE FINISH MILLED GRADE WILL BE FROM 0.00' HIGH TO 0.03' LOW.

ON THE FIRST PASS OF THE MILLING OPERATION, TAUT STRINGLINE ON BOTH SIDES OF THE MILLER WILL BE REQUIRED TO CONTROL THE MILLER'S GRADE CONTROL SYSTEM WHEN MILLING THE TWO TAPERS. BETWEEN THE STATIONS 120+72 & 123+00, THE MILL WILL BE REMOVING 0.23' OF PAVEMENT TO ACCOMMODATE THE PROPOSED OVERLAY. SUBSEQUENT PASSES WILL REQUIRE THE MILLER'S GRADE CONTROL TO UTILIZE STRINGLINE ON ONE SIDE OF THE MILLER AND THE OTHER SIDE TO MATCH THE PREVIOUSLY MILLED PASS.

THE EXISTING PAVEMENT ADJACENT TO RUNWAY 11-29 WILL BE SAWS IF THE MILLING DOES NOT PROVIDE A STRAIGHT AND TRUE EDGE. SAWING WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED PAVEMENT MILLING AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

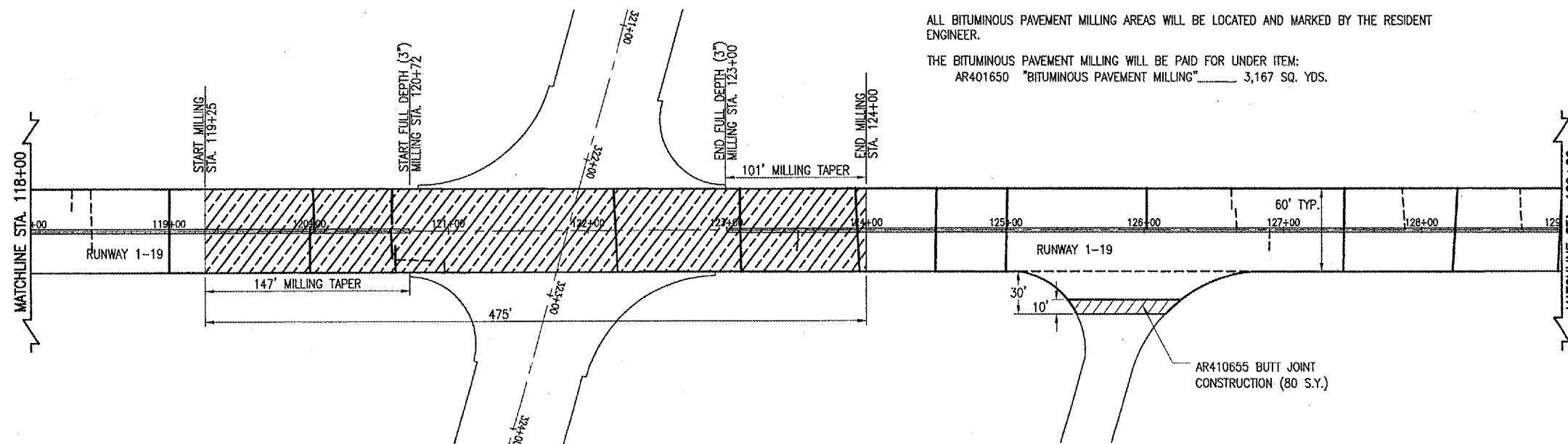
THE DISPOSAL OF THE MILLED MATERIAL WILL BE AT THE DISCRETION OF THE COUNTY ENGINEER. IF THE COUNTY ENGINEER DECIDES TO UTILIZE THE MATERIAL, IT WILL BE STOCKPILED ON THE EAST END OF THE ABANDONED EAST-WEST TAXIWAY. IF NOT, THE CONTRACTOR WILL DISPOSE OF THE MATERIAL OFF THE AIRPORT SITE.

PRIOR TO APPLYING THE BITUMINOUS OVERLAY ALL MILLED MATERIAL WILL BE BROOMED AND BLOWN CLEAN AND A BITUMINOUS TACK COAT APPLIED. THE VERTICAL FACE OF ALL SAW CUTS WILL BE PAINTED WITH A LIQUID ASPHALT.








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

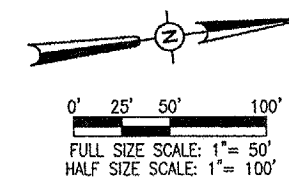
ALL BITUMINOUS PAVEMENT MILLING AREAS WILL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER.

THE BITUMINOUS PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM:  
AR401650 "BITUMINOUS PAVEMENT MILLING" 3,167 SQ. YDS.



**LEGEND**

-  EXISTING PAVEMENT
-  PROPOSED OVERLAY
-  PROPOSED BUTT JOINT CONSTRUCTION
-  PROPOSED BITUMINOUS PAVEMENT MILLING
-  PROPOSED REM. & REP. BIT. PAVEMENT - TYPE A (4' WIDE)
-  PROPOSED REM. & REP. BIT. PAVEMENT - TYPE B (10" WIDE)
-  CLEAN AND SEAL BITUMINOUS CRACKS

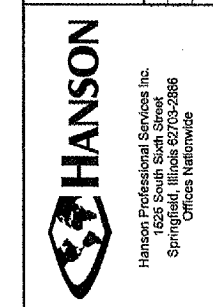


DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

A.I.P. PROJ.: 3-17-0040-B10  
IL PROJ.: 1H2-3688

HL Project No. 80407RWD 0800	CCC	02/15/07
File Name: R-111PRP.DWG	KDM	02/15/07
Scale: 1" = 50'	CAH	04/23/07
Date: 02/15/07		



RECONSTRUCT  
RUNWAY 1-19

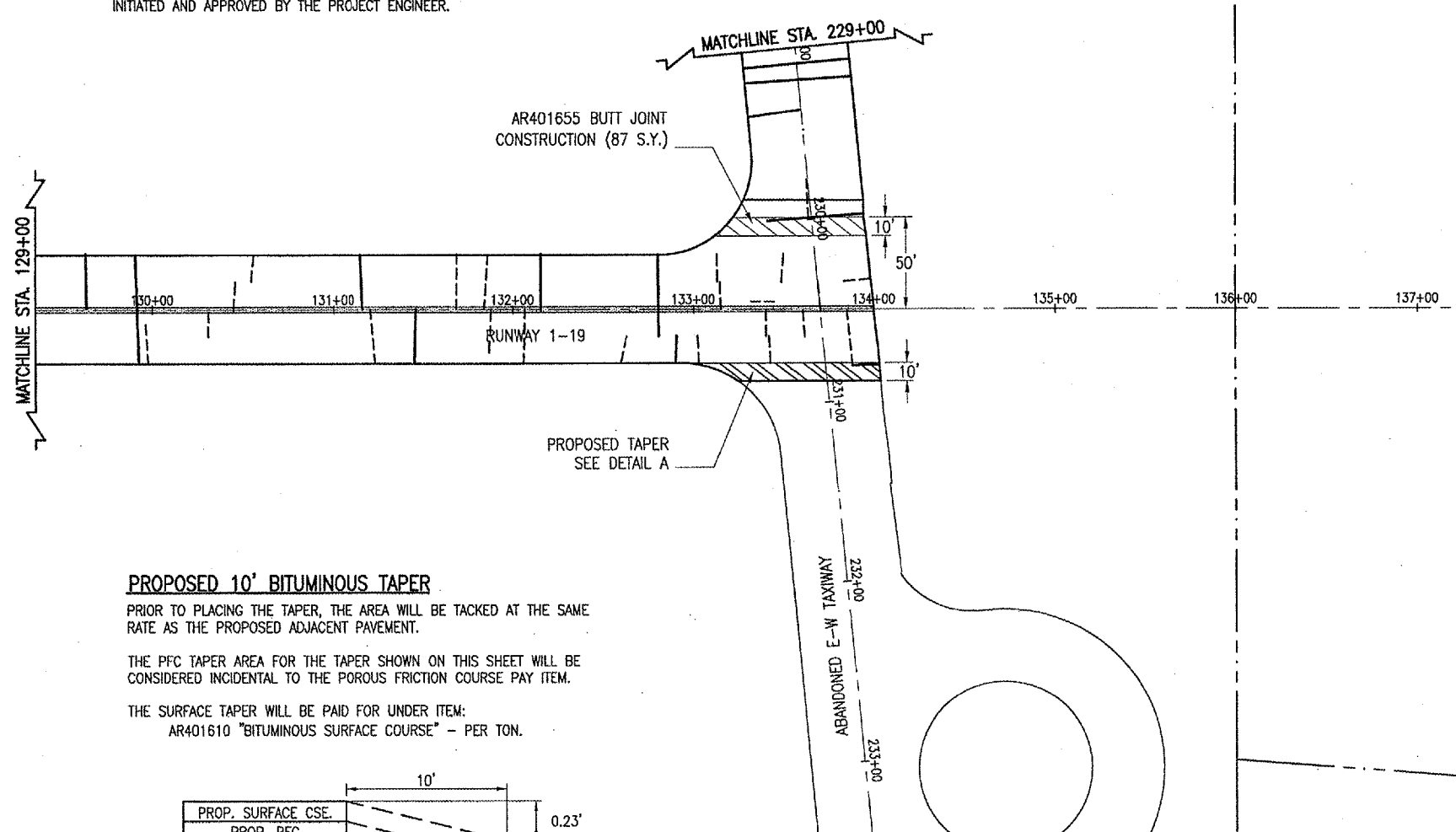
PROPOSED PAVEMENT  
PREPARATION PLAN  
STA. 118+00 TO STA. 129+00



RUNWAY 1-19 QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS BUILT QUANTITY
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	2,863	
AR401650	BITUMINOUS PAVEMENT MILLING	S.Y.	3,167	
AR401650	BUTT JOINT CONSTRUCTION	S.Y.	167	
AR401915	REM. & REP. BIT. PAVEMENT-TYPE A	S.Y.	653	
AR401916	REM. & REP. BIT. PAVEMENT-TYPE B	S.Y.	3,292	

**BUTT JOINT CONSTRUCTION NOTE**

THE PROJECT WAS BASED ON ALL THE PFC BEING PLACED PRIOR TO OVERLAYING RUNWAY 1-19 WITH BITUMINOUS SURFACE. THE BUTT JOINT SHOWN ON THIS PAGE WAS LOCATED WITH THAT PROCESS IN MIND. IF PAVING IS NOT INSTALLED IN THIS ORDER, AN ALTERNATIVE MUST BE INITIATED AND APPROVED BY THE PROJECT ENGINEER.

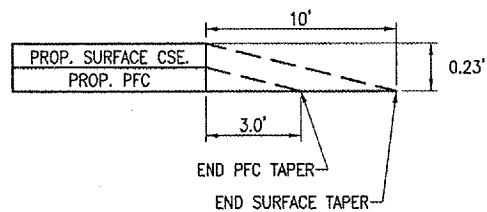


**PROPOSED 10' BITUMINOUS TAPER**

PRIOR TO PLACING THE TAPER, THE AREA WILL BE TACKED AT THE SAME RATE AS THE PROPOSED ADJACENT PAVEMENT.

THE PFC TAPER AREA FOR THE TAPER SHOWN ON THIS SHEET WILL BE CONSIDERED INCIDENTAL TO THE POROUS FRICTION COURSE PAY ITEM.

THE SURFACE TAPER WILL BE PAID FOR UNDER ITEM:  
AR401610 "BITUMINOUS SURFACE COURSE" - PER TON.



**DETAIL "A"**  
"NOT TO SCALE"

**LEGEND**

- EXISTING PAVEMENT
- PROPOSED OVERLAY
- PROPOSED BUTT JOINT CONSTRUCTION
- PROPOSED BITUMINOUS TAPER
- PROPOSED REM. & REP. BIT. PAVEMENT - TYPE A (4' WIDE)
- PROPOSED REM. & REP. BIT. PAVEMENT - TYPE B (10' WIDE)
- CLEAN AND SEAL BITUMINOUS CRACKS



0' 25' 50' 100'  
FULL SIZE SCALE: 1" = 50'  
HALF SIZE SCALE: 1" = 100'

DATE	REVISION	BY

**EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS**

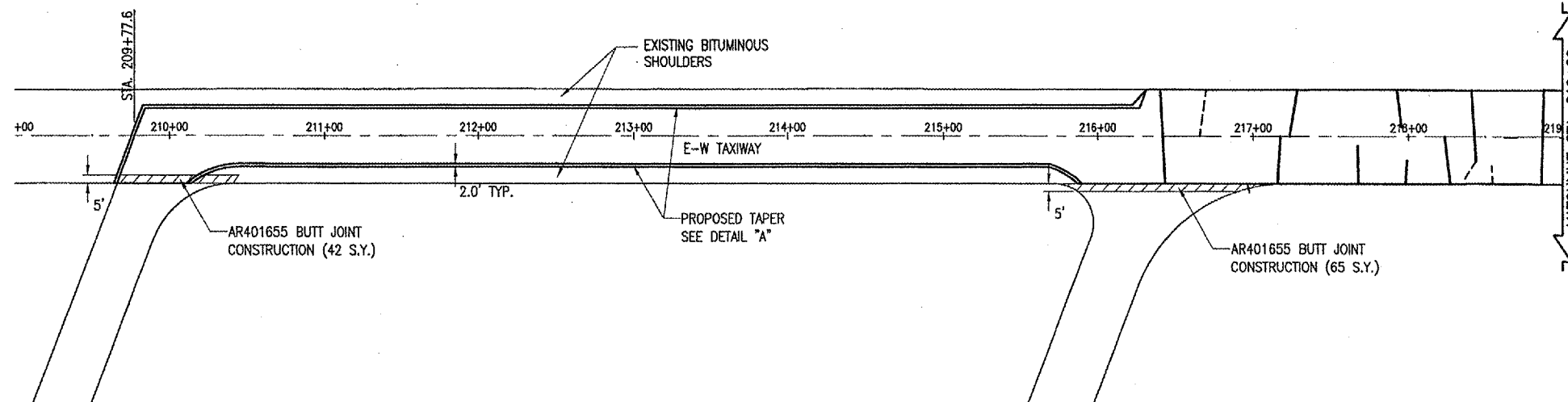
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Filename R-111PRP.DWG	KDM	02/15/07
Scale 1" = 50'	CAH	04/23/07
Date 02/15/07		



**RECONSTRUCT  
RUNWAY 1-19**  
PROPOSED PAVEMENT  
PREPARATION PLAN  
STA. 129+00 TO STA. 135+00

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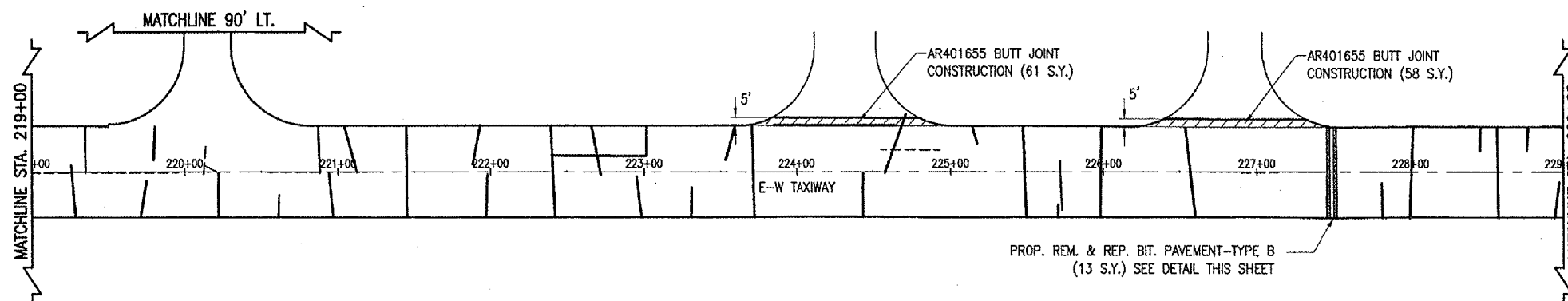
IL PROJ.: 1H2-3688 A.I.P. PROJ.: 3-17-0040-B10



**PAVEMENT PREPARATION**

THIS NOTE APPLIES TO ALL AREAS BEING OVERLAID AND THE EXISTING BITUMINOUS SHOULDERS ON EITHER SIDE OF THE EAST-WEST TAXIWAY. VEGETATION HAS GROWN THROUGH THE PAVEMENT IN THESE VARIOUS AREAS. THE VEGETATION WILL BE BURNED AND SCRAPED FLUSH WITH THE SURROUNDING PAVEMENT. ONCE BROOM CLEANED THESE CRACKS WILL BE SPRAYED WITH A HERBICIDE TO PREVENT REGROWING. SPECIAL ATTENTION WILL BE REQUIRED ALONG AREAS OF THE ABANDONED PAVEMENT WHERE PAINT IS TO BE APPLIED. THIS WILL BE AN ITEM THAT IS CONSIDERED PART OF THE OVERALL PAVEMENT PREPARATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

E-W TAXIWAY QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS BUILT QUANTITY
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	272	
AR401650	BUTT JOINT CONSTRUCTION	S.Y.	226	
AR401915	REM. & REP. BIT. PAVEMENT-TYPE A	S.Y.	686	
AR401916	REM. & REP. BIT. PAVEMENT-TYPE B	S.Y.	13	



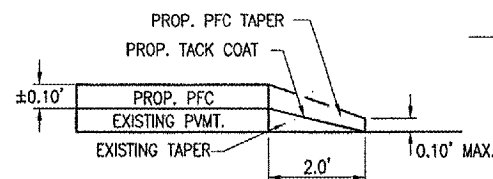
**PROPOSED 2' BITUMINOUS TAPER**

BEFORE PLACEMENT OF THE BITUMINOUS TACK COAT, THE TAPER AREA WILL REQUIRE THE REMOVAL/BURNING OF THE EXISTING VEGETATION THAT HAS GROWN THROUGH CRACKS OF THE TAPER AREA.

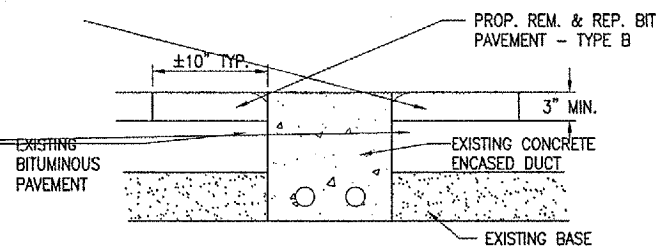
PRIOR TO PLACING THE TAPER, THE AREA WILL BE TACKED AT THE SAME RATE AS THE PROPOSED ADJACENT PAVEMENT.

THE PFC TAPER AREA FOR THE TAPER SHOWN ON THIS SHEET WILL BE PAID FOR UNDER THE POROUS FRICTION COURSE PAY ITEM.

THE PFC TAPER WILL BE PAID FOR UNDER ITEM:  
AR402622 "POROUS FRICTION COURSE" - PER S.Y.



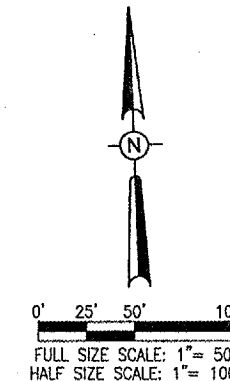
**DETAIL "A"**  
"NOT TO SCALE"



**DUCT BANK PAVEMENT REPAIR DETAIL**  
"NOT TO SCALE"

**LEGEND**

- EXISTING PAVEMENT
- PROPOSED OVERLAY
- PROPOSED BUTT JOINT CONSTRUCTION
- PROPOSED REM. & REP. BIT. PAVEMENT - TYPE A (4' WIDE)
- PROPOSED REM. & REP. BIT. PAVEMENT - TYPE B (10" WIDE)
- CLEAN AND SEAL BITUMINOUS CRACKS



APR 27, 2007 8:24 AM BAK I:\AIRPORTS\EFFINGHAM\804-07RWY\AIRPORT\SHEETS\R-111PRP.DWG - TX

DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

IL. PROJ.: 1H2-3888 A.I.P. PROJ.: 3-17-0040-B10

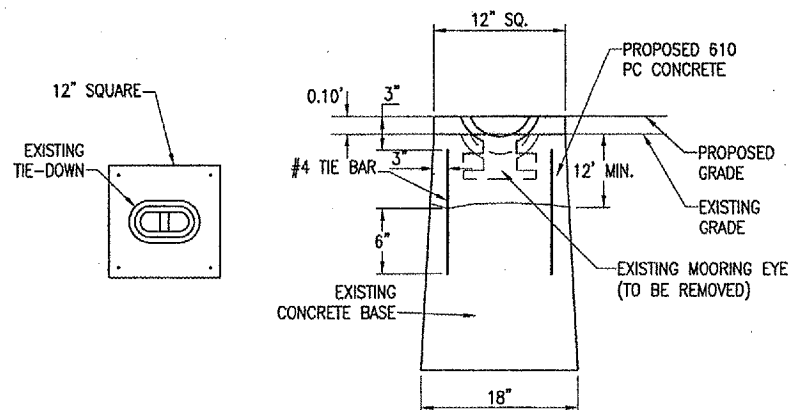
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Drawings R-111PRP.DWG	DRAWN	KDM	02/15/07
Scale 1" = 50'	REVIEWED	CAH	04/23/07
Date 02/15/07			



Hanson Professional Services Inc.  
1400 E. Main Street  
Springfield, Illinois 62703-2886  
Offices Nationwide

RECONSTRUCT  
RUNWAY 1-19  
PROPOSED PAVEMENT  
PREPARATION PLAN  
EAST - WEST TAXIWAY

APRON QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS BUILT QUANTITY
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	190	
AR401650	BUTT JOINT CONSTRUCTION	S.Y.	148	
AR401915	REM. & REP. BIT. PAVEMENT-TYPE A	S.Y.	178	



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

**TIE-DOWN ADJUSTMENT NOTE**

SIX OF THE EXISTING TIE-DOWNS WILL BE RE-ESTABLISHED AT THE SAME LOCATIONS. THE EXISTING TIE-DOWN MOORING EYES WILL BE REMOVED FROM THE EXISTING CONCRETE BASE AND REUSED FOR THE ADJUSTMENT.

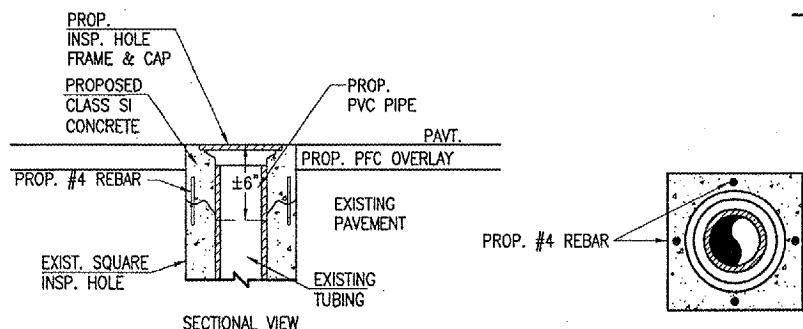
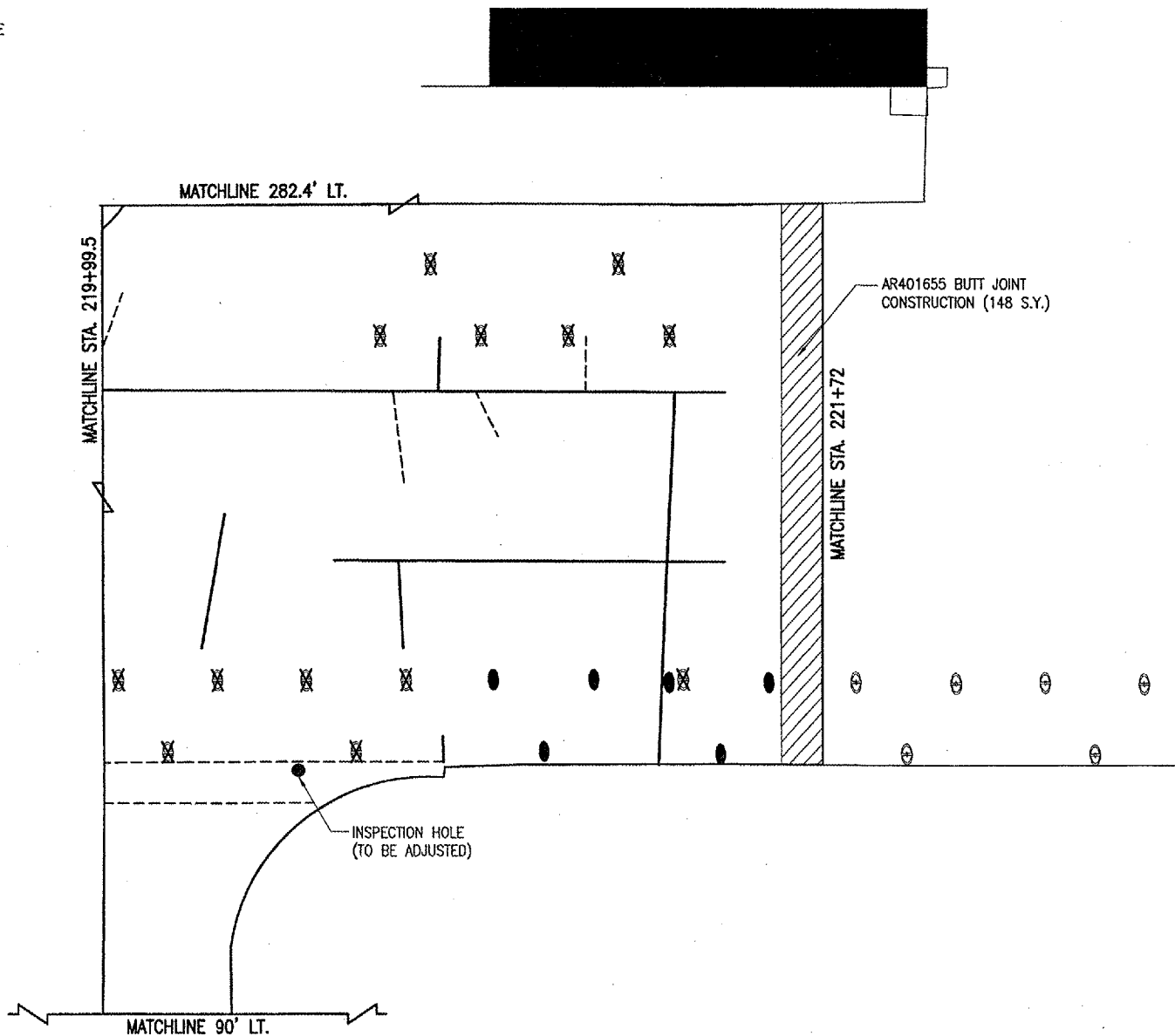
ALL LOOSE CONCRETE WILL BE REMOVED AND DISPOSED OF OFF SITE.

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.

THERE ARE 13 TIE-DOWNS THAT WILL NOT BE ADJUSTED AS INDICATED BY AN "X". AS PART OF THE ADJUST TIE-DOWN WORK ITEM, THESE TIE-DOWNS WILL BE CLEANED OF ANY DEBRIS AND FILLED WITH A NON-SHRINK GROUT OR OTHER MATERIAL APPROVED BY THE RESIDENT ENGINEER.

THIS ITEM OF WORK WILL BE PAID FOR UNDER:  
ITEM AR510940 "ADJUST TIE-DOWN" \_\_\_\_\_ 6 EACH.



**INSPECTION HOLE ADJUSTMENT DETAIL**  
"NOT TO SCALE"

**INSPECTION HOLE ADJUSTMENT NOTE**

THE CONTRACTOR WILL PLUG THE EXISTING INSPECTION HOLE TO PREVENT DEBRIS FROM ENTERING THE EDGEDRAIN PIPING. THE CONTRACTOR WILL REMOVE THE TOP 6 INCHES OF THE INSPECTION HOLE INCLUDING THE FRAME AND LID.

FOUR-NO. 4 REBAR WILL BE DRILLED AND GROUTED INTO PLACE AS SHOWN ON THIS SHEET. THE CONTRACTOR WILL PROVIDE AND INSTALL A SMALL PIECE OF PVC PIPE, AN INSPECTION HOLE FRAME & LID AND FORM THE STRUCTURE TO THE ELEVATION OF THE PROPOSED PAVEMENT GRADE.

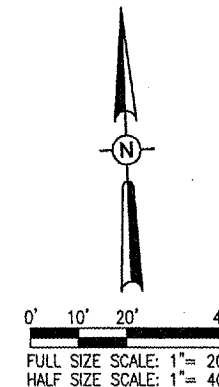
THE CONTRACTOR SHALL USE 610 "STRUCTURAL PORTLAND CEMENT CONCRETE".

THE PROPOSED FRAME AND LID SHALL BE NEENAH R-6013 OR APPROVED EQUAL.

THE PVC PIPE SHALL BE SCHEDULE 40 COMMON WATERPIPE APPROVED BY THE RESIDENT ENGINEER.

**LEGEND**

- EXISTING PAVEMENT
- PROPOSED OVERLAY
- PROPOSED BUTT JOINT CONSTRUCTION
- PROPOSED REM. & REP. BIT. PAVEMENT - TYPE A (4' WIDE)
- CLEAN AND SEAL BITUMINOUS CRACKS
- EXISTING TIE-DOWN (TO REMAIN)
- EXISTING TIE-DOWN (TO BE PLUGGED)
- EXISTING TIE-DOWN (TO BE ADJUSTED)
- EXISTING INSPECTION HOLE (TO BE ADJUSTED)



DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

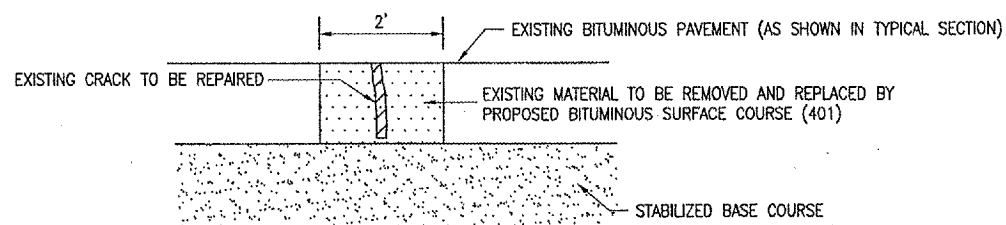
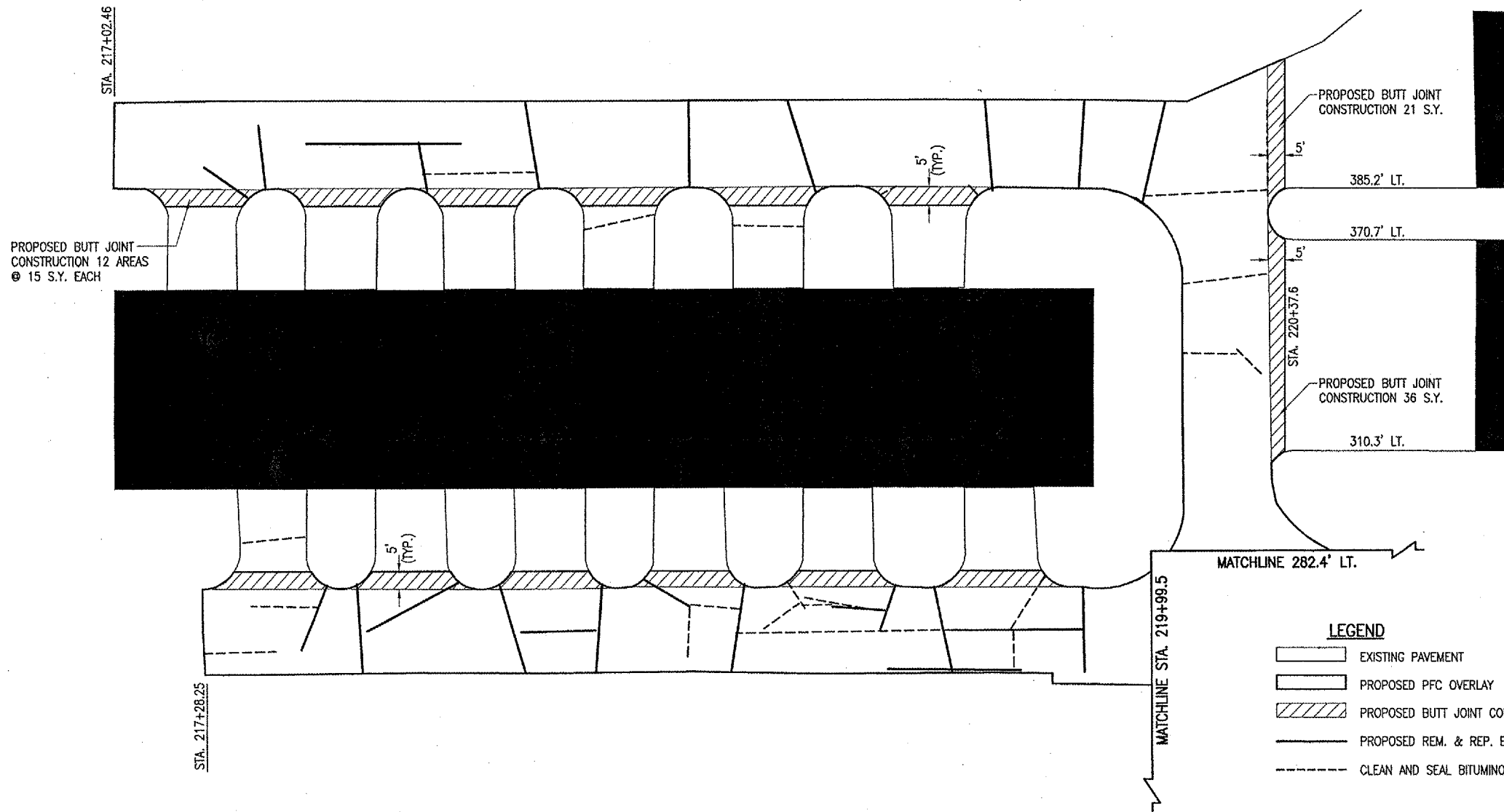
IL PROJ.: 1H2-3688 A.I.P. PROJ.: 3-17-0040-B10

Project No. 80407RWTD_0800	02/15/07
Revision R-111PRP.DWG	02/15/07
Scale 1" = 20'	04/23/07
Date 02/15/07	
LAYOUT	CCC
DRAWN	KDM
REVIEWED	CAH



RECONSTRUCT  
RUNWAY 1-19  
PROPOSED PAVEMENT  
PREPARATION PLAN  
APRON

APR 27, 2007 8:24 AM BAK I:\AIRPORTS\EFFINGHAM\804-07RWY\AIRPORT\SHEETS\R-111PRP.DWG - APRON



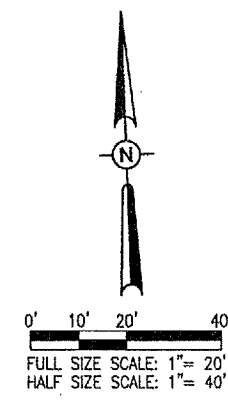
**REMOVE & REPLACE BIT. PAVEMENT-TYPE A (2' WIDE)**  
 "NOT TO SCALE"

**REMOVE AND REPLACE BITUMINOUS PAVEMENT-TYPE A (2' WIDE)**

THE AREA(S) DESIGNATED AS          ON THIS SHEET WILL HAVE THE EXISTING BITUMINOUS PAVEMENT SAWED AND REMOVED (FULL DEPTH) AND REPLACED WITH BITUMINOUS SURFACE MIX. THE BITUMINOUS SURFACE MIX USED IN THE REPLACEMENT WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED REMOVAL AND REPLACEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. ALL REMOVED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE.

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

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:  
 AR401915 "REMOVE AND REPLACE BITUMINOUS PAVEMENT-TYPE A"  
 -- PER S.Y.



DATE	REVISION	BY

**EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS**

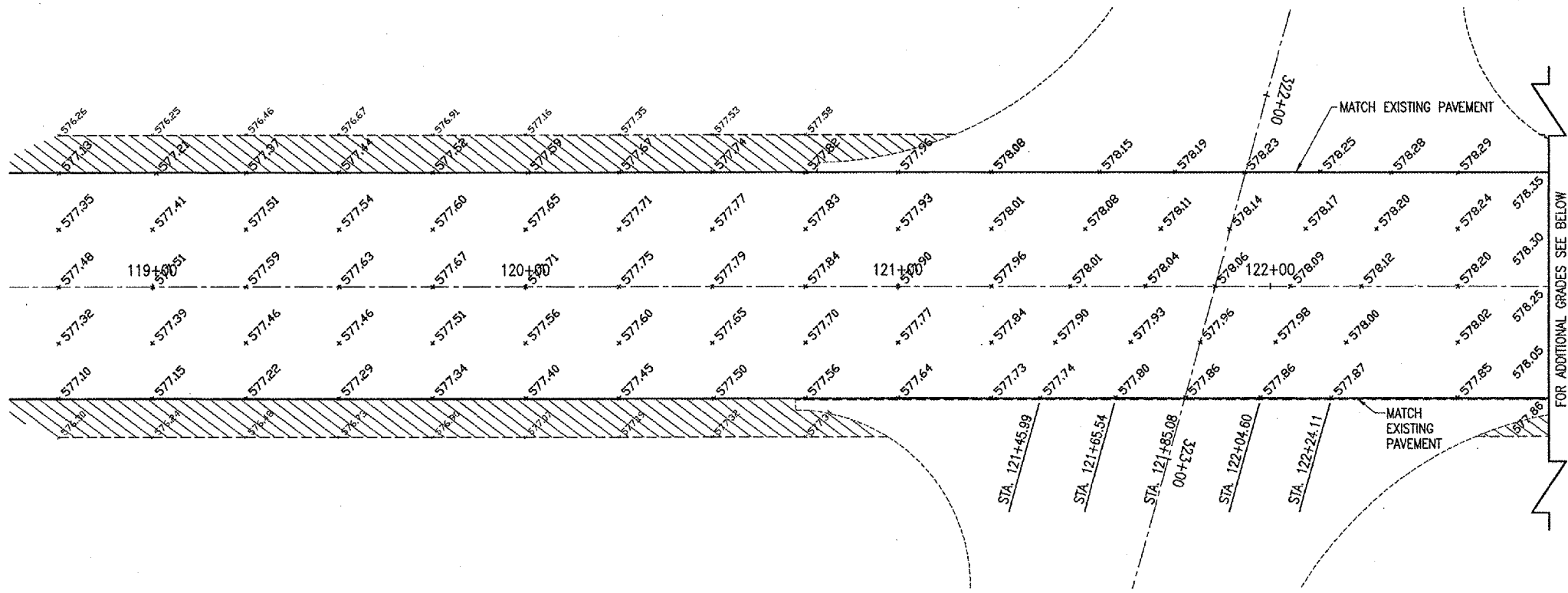
IL PROJ.: 11H2-3688 A.I.P. PROJ.: 3-17-0040-810

HEI Project No. 80407RWVD_0800			
File Name R-111PRP.DWG			
Scale 1" = 20'			
Date 02/15/07			
LAYOUT CCC	02/15/07		
DRAWN KOM	02/15/07		
REVIEWED CAH	04/23/07		

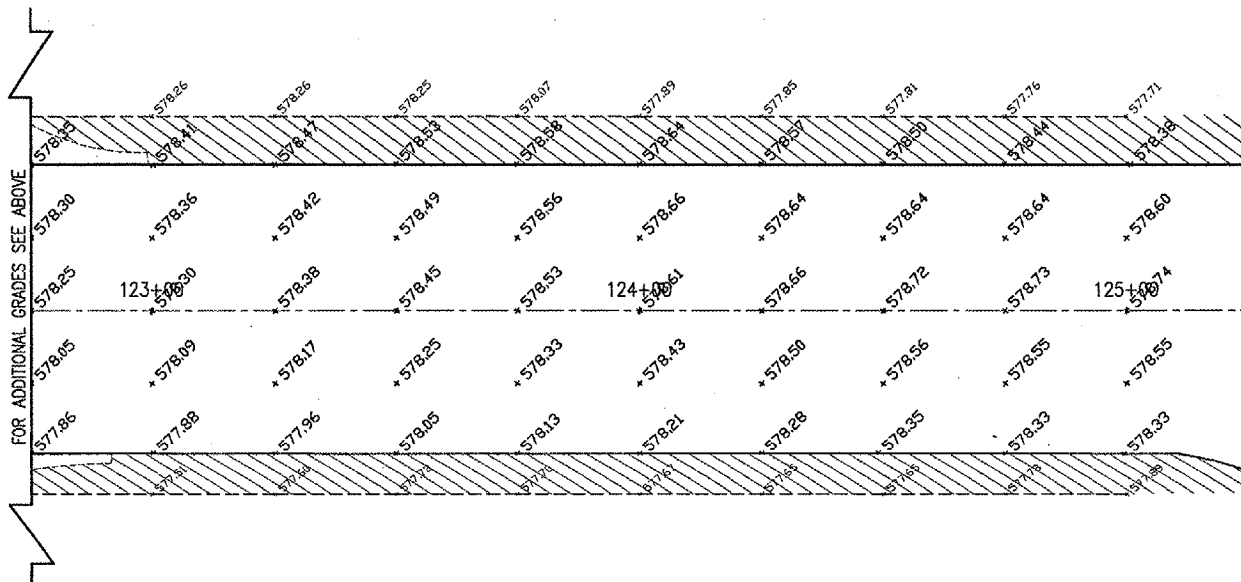
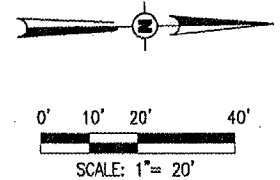
**HANSON**  
 Hanson Professional Services Inc.  
 1829 South Shen Street  
 Springfield, IL 62767  
 Offices Nationwide

**RECONSTRUCT  
 RUNWAY 1-19**  
 PROPOSED PAVEMENT  
 PREPARATION PLAN  
 T-HANGAR

APR 27, 2007 8:24 AM BAK  
 C:\AIRPORTS\EFFINGHAM\804-07RWVD\AIRPORT\SHEETS\R-111PRP.DWG - T-HANGAR



- LEGEND**
- EXISTING PAVEMENT
  - PROPOSED IMPROVEMENTS
  - PROPOSED SHOULDER ADJUSTMENT
  - + 684.00 EXISTING GRADE
  - + 684.00 PROPOSED GRADE



DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

IL PROJ.: 142-3688 A.I.P. PROJ.: 3-17-0040-B10

REL Project No.	80407RWD_0800
Element	R-191STK.DWG
Scale	1" = 20'
Date	03/08/07
LAYOUT	KDM 03/08/07
DRAWN	MLB 03/02/07
REVIEWED	CAH 04/23/07



RECONSTRUCT  
RUNWAY 1-19

PROPOSED  
RUNWAY INTERSECTION  
STAKING PLAN



DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

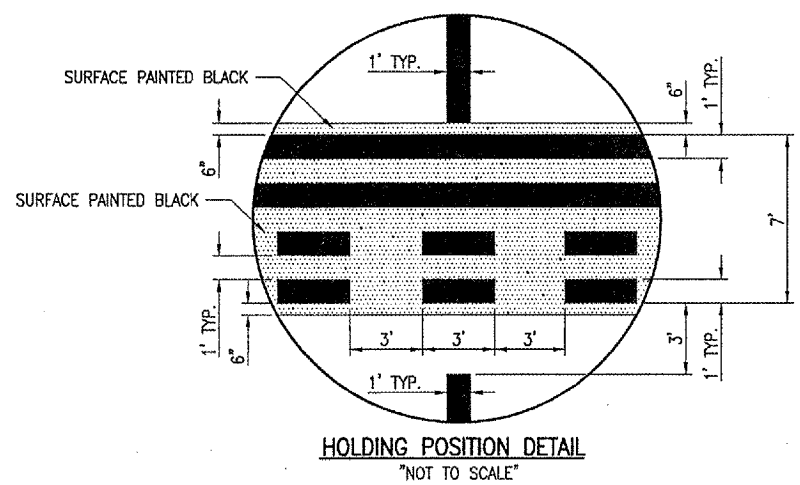
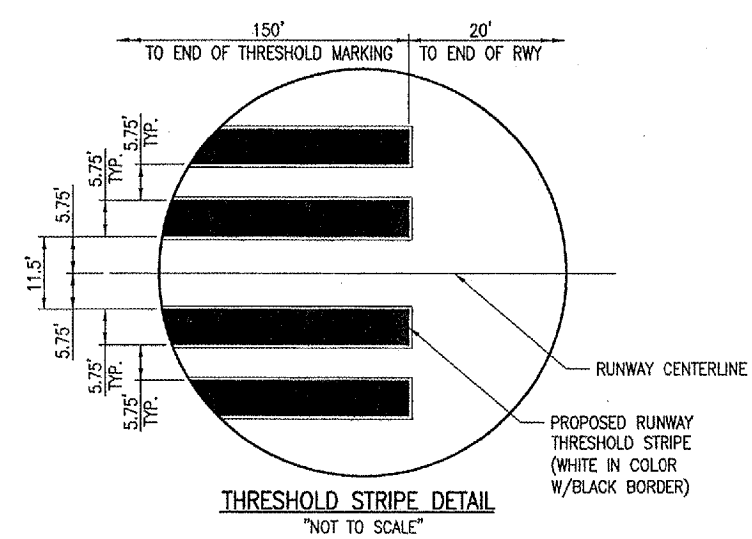
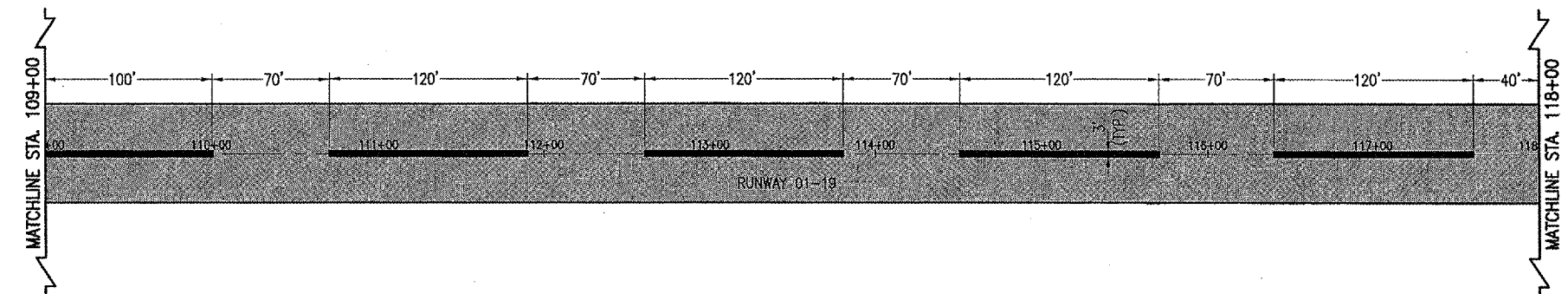
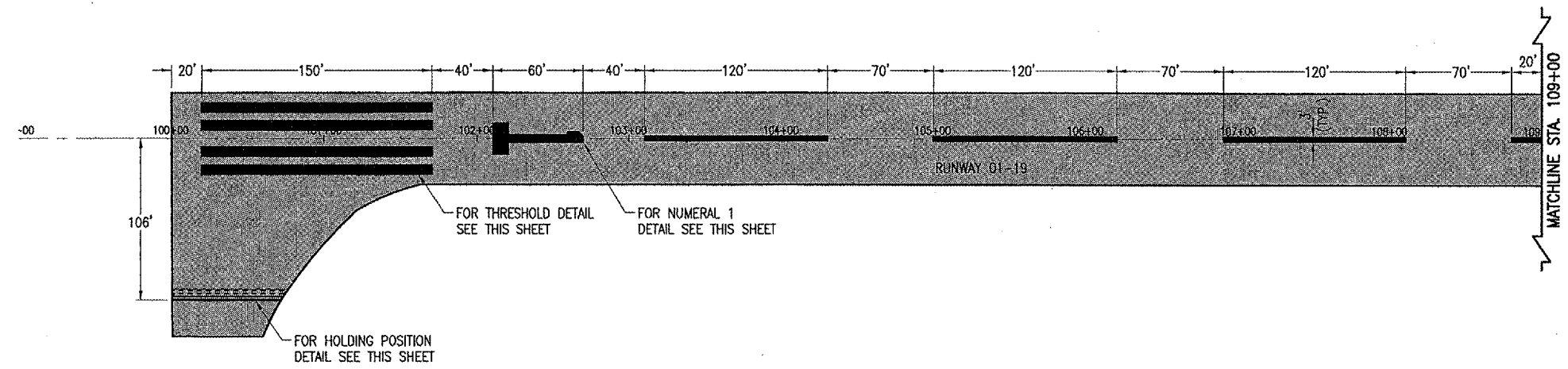
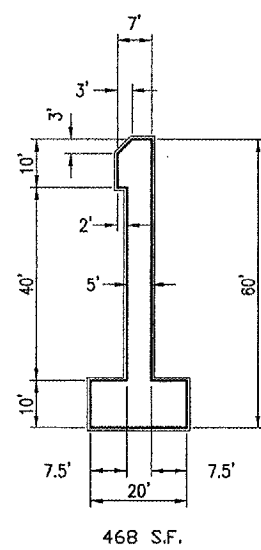
IL PROJ: 1H2-3688 A.I.P. PROJ: 3-17-0040-B10

H&L Project No. 80407RWYD_0800 Filename R-151MRK.DWG Scale 1" = 50' Date 02/15/07	LAYOUT KOM 02/15/07 DRAWN BHK 02/15/07 REVIEWED CAH 04/23/07
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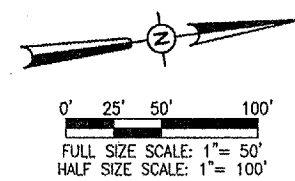
**HANSON**  
Hanson Professional Services Inc.  
1524 South Sixth Street  
Springfield, Illinois 62703-2886  
Offices Nationwide

RECONSTRUCT  
RUNWAY 1-19  
PROPOSED MARKING PLAN  
FOR RUNWAY 1-19  
STA. 99+00 TO STA. 118+00

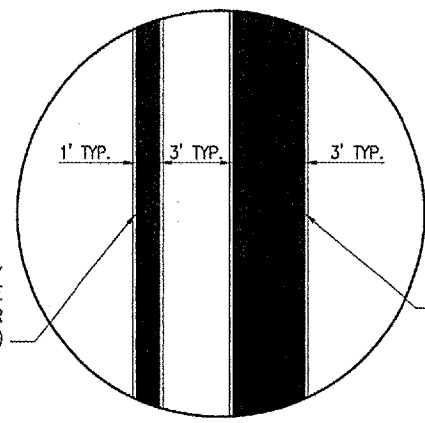
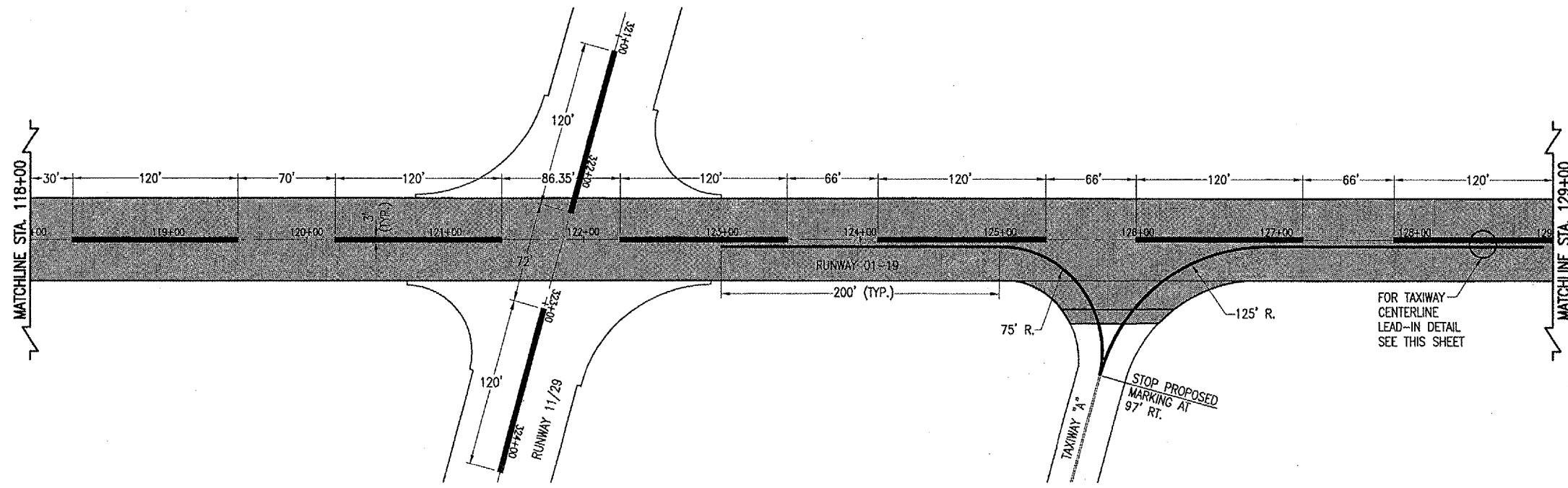


**LEGEND**

- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- EXISTING MARKING
- PROPOSED MARKING w/BLACK BORDER



APR 27, 2007 8:25 AM BAK  
I:\AIRPORTS\EFFINGHAM\804-07RWY\AIRPORT\SHEETS\R-151MRK.DWG - Sta. 99+00 to Sta. 118+00

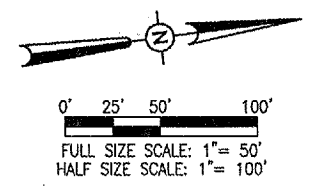


TAXIWAY CENTERLINE LEAD-IN DETAIL  
"NOT TO SCALE"

PROPOSED TAXIWAY CENTERLINE STRIPE (YELLOW IN COLOR W/BLACK BORDER)

PROPOSED RUNWAY CENTERLINE STRIPE (WHITE IN COLOR W/BLACK BORDER)

- LEGEND**
- EXISTING PAVEMENT
  - PROPOSED PAVEMENT
  - EXISTING MARKING
  - PROPOSED MARKING w/BLACK BORDER



APR 27, 2007 8:25 AM BAK I:\AIRPORTS\EFFINGHAM\804-07RWY\AIRPORT\SHEETS\R-151MRK.DWG - Sta. 118+00 to Sta. 129+00

DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

IL. PROJ. 1H2-3688 A.I.P. PROJ. 3-17-0040-B10

H.I. Project No. 80407RWYD.0800	
Drawing R-151MRK.DWG	
Scale	1" = 50'
Date	02/15/07
LAYOUT	KCM 02/15/07
DRAWN	BAK 02/15/07
REVIEWED	CAH 04/23/07

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

RECONSTRUCT  
RUNWAY 1-19

PROPOSED MARKING PLAN  
FOR RUNWAY 1-19  
STA. 118+00 TO STA. 129+00

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

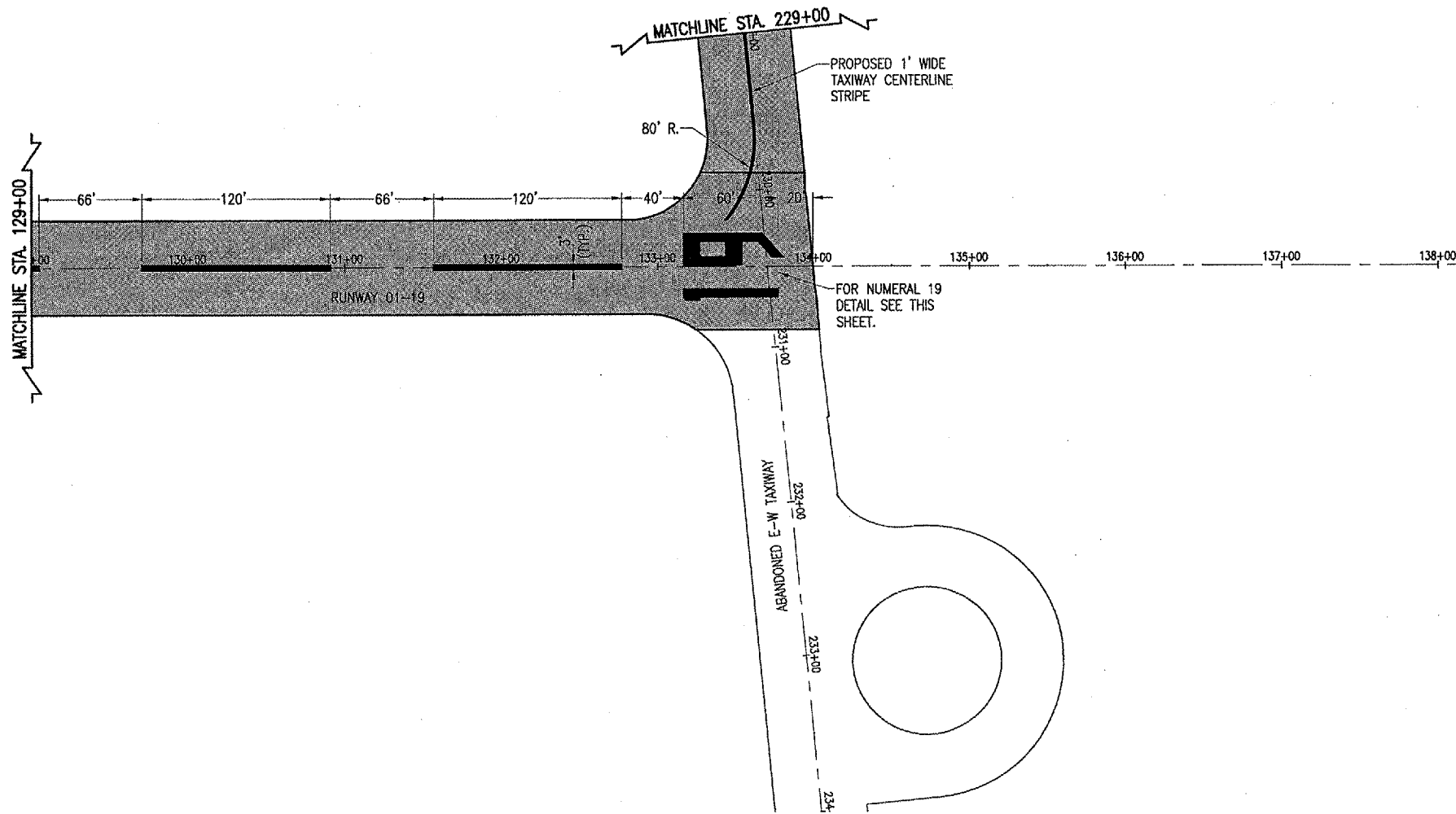
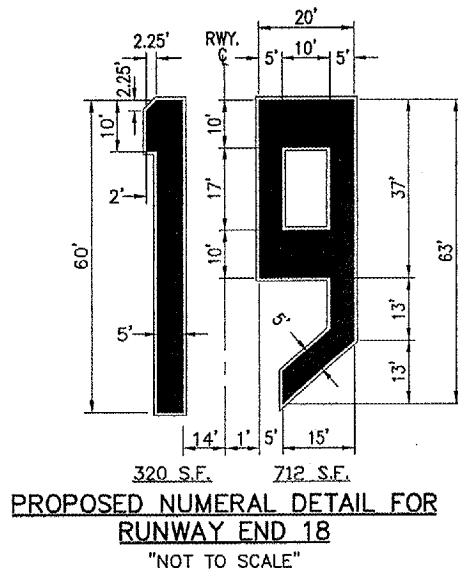
ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.

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 \_\_\_\_\_ PER S.F.

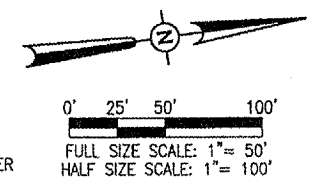
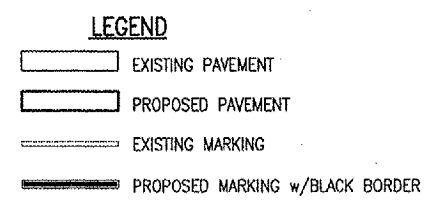


**TOTAL PAVEMENT MARKING-WATERBORNE - AR620520**

DESCRIPTION	MARKING COLOR	TOTAL AREA (S.F.)	AS-BUILT QUANTITY
RUNWAY 01/19 CENTERLINE MARKING	WHITE	5,760	
RUNWAY 11/29 CENTERLINE MARKING	WHITE	720	
RUNWAY 01/19 RUNWAY THRESHOLD STRIPE	WHITE	3,450	
RUNWAY NUMBER 1	WHITE	468	
RUNWAY NUMBER 1	WHITE	318	
RUNWAY NUMBER 9	WHITE	712	
TOTAL WHITE		11,428	
RUNWAY END 01 TURNAROUND HOLDING POSITION	YELLOW	219	
TAXIWAY "A" CENTERLINE LEAD-IN STRIPE	YELLOW	690	
E-W TAXIWAY CENTERLINE STRIPE	YELLOW	3,284	
E-W TAXIWAY HOLDING POSITION	YELLOW	180	
E-W TAXIWAY EDGE STRIPES	YELLOW	1,373	
E-W TAXIWAY SHOULDER MARKING	YELLOW	351	
TIE DOWN MARKING	YELLOW	78	
T-HANGAR CENTERLINE STRIPE	YELLOW	1,583	
TOTAL YELLOW		6,175	
RUNWAY 01/19 CENTERLINE MARKING	BLACK	1,984	
RUNWAY 11/29 CENTERLINE MARKING	BLACK	248	
RUNWAY 01/19 RUNWAY THRESHOLD STRIPE	BLACK	627	
RUNWAY NUMBER 1	BLACK	80	
RUNWAY NUMBER 1	BLACK	67	
RUNWAY NUMBER 9	BLACK	113	
RUNWAY END 01 TURNAROUND HOLDING POSITION	BLACK	371	
TAXIWAY "A" CENTERLINE LEAD-IN STRIPE	BLACK	694	
E-W TAXIWAY CENTERLINE STRIPE	BLACK	3,288	
E-W TAXIWAY HOLDING POSITION	BLACK	300	
E-W TAXIWAY EDGE STRIPES	BLACK	2,060	
E-W TAXIWAY SHOULDER MARKING	BLACK	149	
T-HANGAR CENTERLINE STRIPE	BLACK	1,297	
TOTAL BLACK OUTLINE		9,981	
TOTAL MARKING		27,584	

**PAVEMENT MARKING-WATERBORNE - AR620520 (RUNWAY 01-19)**

DESCRIPTION	MARKING COLOR	TOTAL AREA (S.F.)	AS-BUILT QUANTITY
RUNWAY 01/19 CENTERLINE MARKING	WHITE	5,760	
RUNWAY 11/29 CENTERLINE MARKING	WHITE	720	
RUNWAY 01/19 RUNWAY THRESHOLD STRIPE	WHITE	3,450	
RUNWAY NUMBER 1	WHITE	468	
RUNWAY NUMBER 1	WHITE	318	
RUNWAY NUMBER 9	WHITE	712	
TOTAL WHITE		11,428	
RUNWAY END 01 TURNAROUND HOLDING POSITION	YELLOW	219	
TAXIWAY "A" CENTERLINE LEAD-IN STRIPE	YELLOW	690	
E-W TAXIWAY CENTERLINE STRIPE	YELLOW	123	
TOTAL YELLOW		1,032	
RUNWAY 01/19 CENTERLINE MARKING	BLACK	1,984	
RUNWAY 11/29 CENTERLINE MARKING	BLACK	248	
RUNWAY 01/19 RUNWAY THRESHOLD STRIPE	BLACK	627	
RUNWAY NUMBER 1	BLACK	80	
RUNWAY NUMBER 1	BLACK	67	
RUNWAY NUMBER 9	BLACK	113	
RUNWAY END 01 TURNAROUND HOLDING POSITION	BLACK	371	
TAXIWAY "A" CENTERLINE LEAD-IN STRIPE	BLACK	694	
E-W TAXIWAY CENTERLINE STRIPE	BLACK	125	
TOTAL BLACK OUTLINE		4,309	
TOTAL MARKING		16,769	



EF004

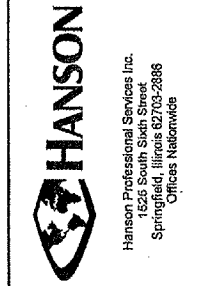
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DATE	REVISION	BY

**EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS**

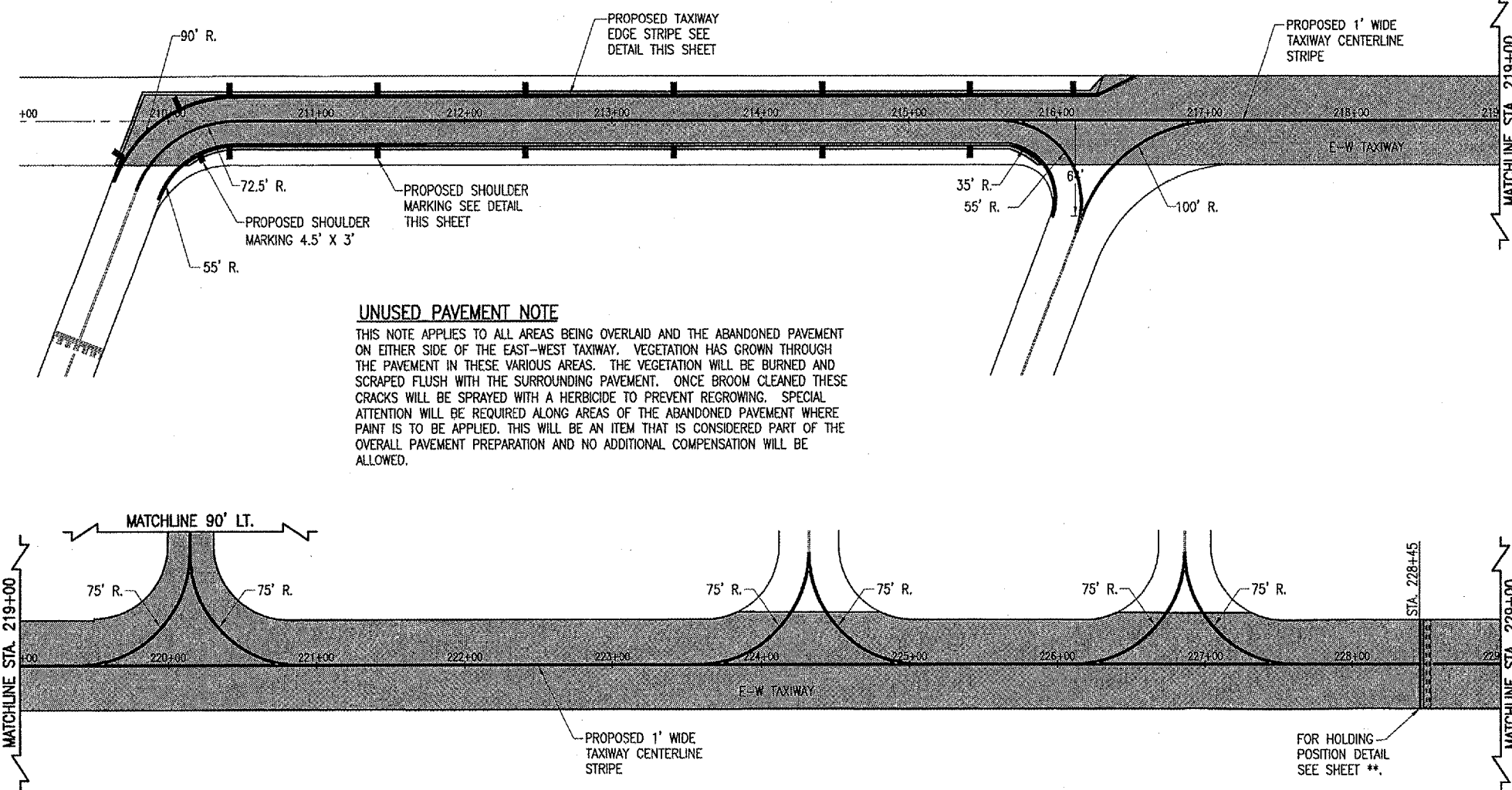
A.I.P. PROJ.: 3-17-0040-B10  
I.L. PROJ.: 1H2-3688

Project No. B0407RWYD_0800	Scale 1" = 50'	DATE 02/15/07
Drawn Date 02/15/07	Checked Date 02/15/07	Reviewed Date 04/23/07
LAYOUT KOM	BAK	CAH
DRAWN	BAK	CAH
REVIEWED	CAH	



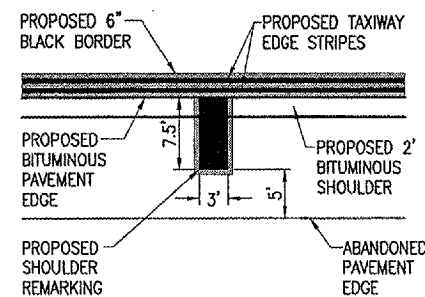
**RECONSTRUCT  
RUNWAY 1-19**

PROPOSED MARKING PLAN  
FOR RUNWAY 1-19  
STA. 129+00 TO STA. 135+00



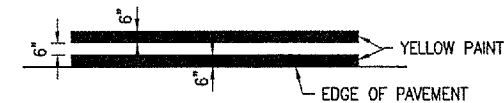
**UNUSED PAVEMENT NOTE**

THIS NOTE APPLIES TO ALL AREAS BEING OVERLAID AND THE ABANDONED PAVEMENT ON EITHER SIDE OF THE EAST-WEST TAXIWAY. VEGETATION HAS GROWN THROUGH THE PAVEMENT IN THESE VARIOUS AREAS. THE VEGETATION WILL BE BURNED AND SCRAPPED FLUSH WITH THE SURROUNDING PAVEMENT. ONCE BROOM CLEANED THESE CRACKS WILL BE SPRAYED WITH A HERBICIDE TO PREVENT REGROWING. SPECIAL ATTENTION WILL BE REQUIRED ALONG AREAS OF THE ABANDONED PAVEMENT WHERE PAINT IS TO BE APPLIED. THIS WILL BE AN ITEM THAT IS CONSIDERED PART OF THE OVERALL PAVEMENT PREPARATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



**SHOULDER MARKING DETAIL**  
"NOT TO SCALE"

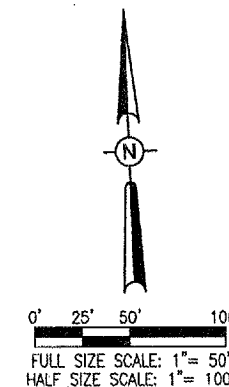
NOTE:  
EXISTING SHOULDER MARKING WILL BE REMARKED AS SHOWN IN THIS DETAIL.



**TAXIWAY EDGE STRIPE DETAIL**  
"NOT TO SCALE"

PAVEMENT MARKING-WATERBORNE - AR620520 (E-W TAXIWAY)			
DESCRIPTION	MARKING COLOR	TOTAL AREA (S.F.)	AS-BUILT QUANTITY
E-W TAXIWAY CENTERLINE STRIPE	YELLOW	2,889	.
E-W TAXIWAY HOLDING POSITION	YELLOW	180	.
E-W TAXIWAY EDGE STRIPES	YELLOW	1,373	.
E-W TAXIWAY SHOULDER MARKING	YELLOW	351	.
TOTAL YELLOW		4,793	.
E-W TAXIWAY CENTERLINE STRIPE	BLACK	2,893	.
E-W TAXIWAY HOLDING POSITION	BLACK	300	.
E-W TAXIWAY EDGE STRIPES	BLACK	2,060	.
E-W TAXIWAY SHOULDER MARKING	BLACK	149	.
TOTAL BLACK OUTLINE		5,402	.
TOTAL MARKING		10,195	.

- LEGEND**
- EXISTING PAVEMENT
  - PROPOSED PAVEMENT
  - EXISTING MARKING
  - PROPOSED MARKING w/BLACK BORDER



DATE	REVISION	BY

EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

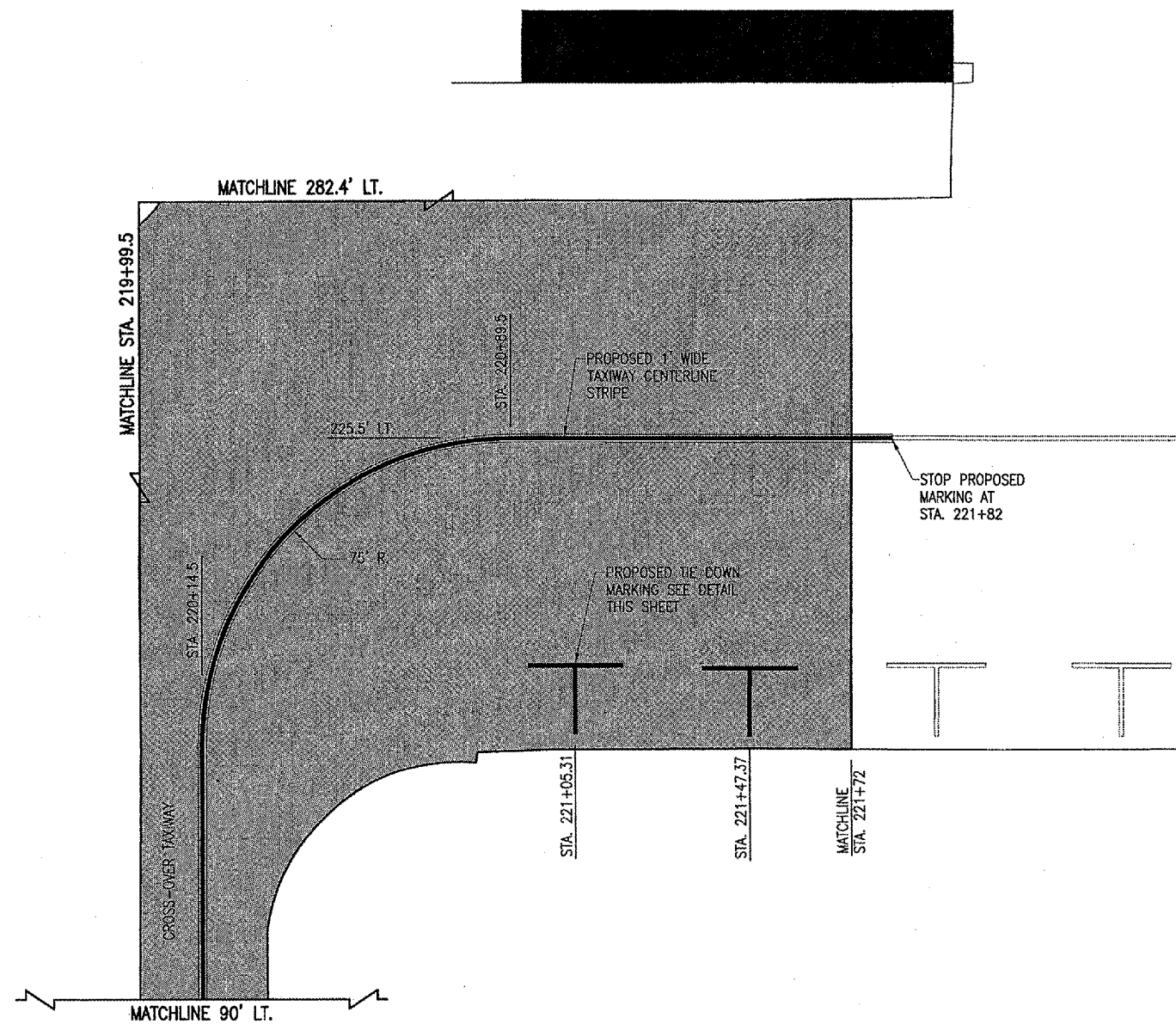
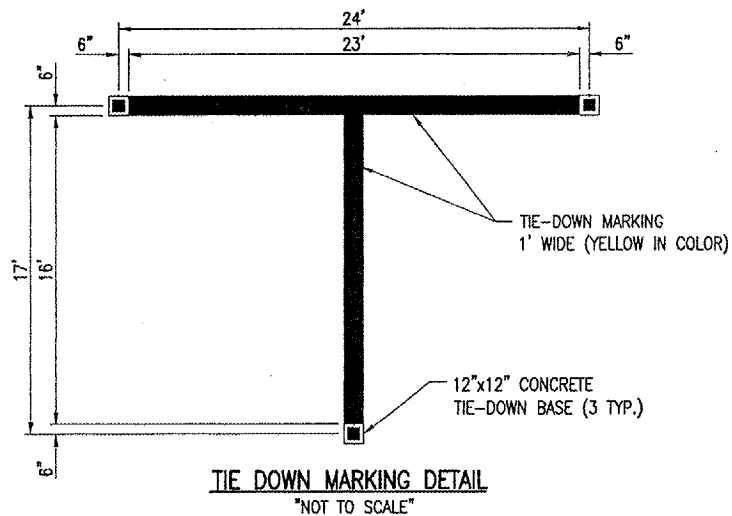
IL PROJ.: 1H2-3688 A.I.P. PROJ.: 3-17-0040-B10

ILL. Project No. 80407RWYD-0800 File Name: R-151MRK.DWG Scale: 1" = 50' Date: 02/15/07	LAYOUT: KDM 02/15/07 DRAWN: BAK 02/15/07 REVIEWED: CAH 04/23/07
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Hanson Professional Services Inc.  
1525 South Sixth Street  
Springfield, Illinois 62703-2886  
Offices Nationwide

RECONSTRUCT  
RUNWAY 1-19  
PROPOSED MARKING PLAN  
FOR EAST-WEST TAXIWAY  
STA. 209+73.75 TO STA. 229+00

APR 27, 2007 8:25 AM BAK I:\AIRPORTS\EFFINGHAM\_804-07RWY\_AIRPORT\SHEETS\R-151MRK.DWG - E-W TAXIWAY



APR 27, 2007 8:25 AM BAK  
 I:\AIRPORTS\EFFINGHAM\_804-07RWY\AIRPORT\SHEETS\R-151MRK.DWG - APRON

PAVEMENT MARKING-WATERBORNE - AR620520 (APRON)

DESCRIPTION	MARKING COLOR	TOTAL AREA (S.F.)	AS-BUILT QUANTITY
E-W TAXIWAY CENTERLINE STRIPE	YELLOW	272	
TIE DOWN MARKING	YELLOW	78	
TOTAL YELLOW		350	
E-W TAXIWAY CENTERLINE STRIPE	BLACK	270	
TOTAL BLACK OUTLINE		270	
TOTAL MARKING		620	

LEGEND

- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- EXISTING MARKING
- PROPOSED MARKING w/BLACK BORDER



0' 10' 20' 40'  
 FULL SIZE SCALE: 1" = 20'  
 HALF SIZE SCALE: 1" = 40'

DATE	REVISION	BY

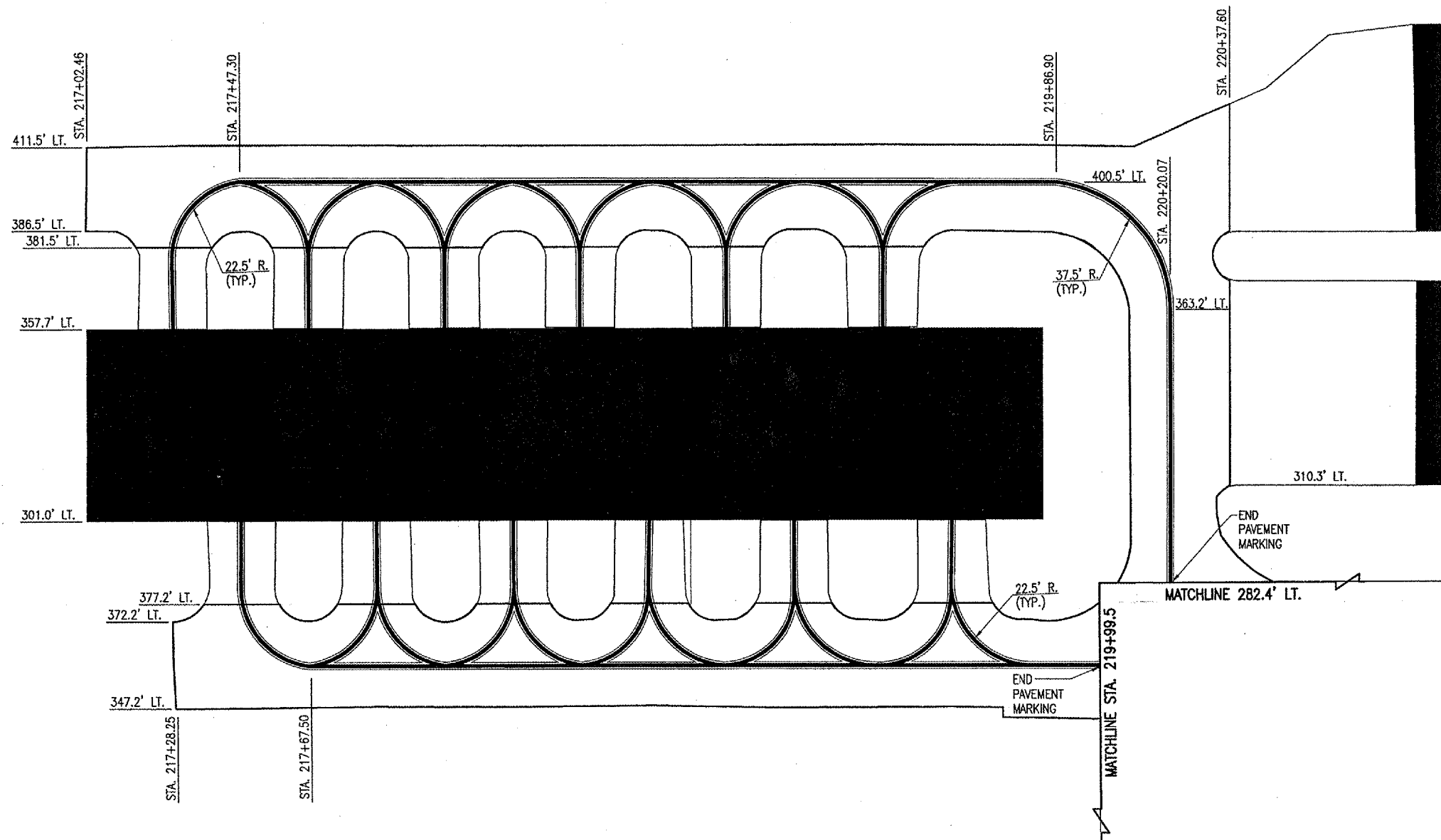
EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS  
 I.L. PROJ.: 1H2-3688 A.I.P. PROJ.: 3-17-0040-B10

HL Project No. 80407RWYD_0800	KDM	02/15/07
Filename R-151MRK.DWG	BAK	02/15/07
Scale 1" = 20'	CAH	04/23/07
Date 02/15/07		



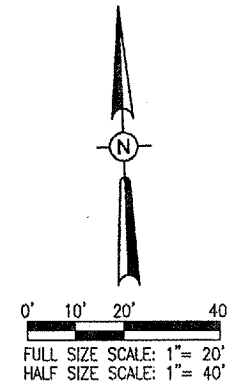
RECONSTRUCT  
 RUNWAY 1-19  
 PROPOSED  
 MARKING PLAN  
 FOR APRON





PAVEMENT MARKING-WATERBORNE -- AR620520 (T-HANGAR)			
DESCRIPTION	MARKING COLOR	TOTAL AREA (S.F.)	AS-BUILT QUANTITY
T-HANGAR CENTERLINE STRIPE	YELLOW	1,583	-
TOTAL YELLOW		1,583	-
E-W TAXIWAY CENTERLINE STRIPE	BLACK	1,297	-
TOTAL BLACK OUTLINE		1,297	-
TOTAL MARKING		2,880	-

- LEGEND**
- EXISTING PAVEMENT
  - PROPOSED PAVEMENT
  - PROPOSED MARKING w/BLACK BORDER



APR 27, 2007 8:25 AM BAK I:\AIRPORTS\EFFINGHAM\804-07RWY\AIRPORT\SHEETS\R-151MRK.DWG - T-HANGAR

DATE	REVISION	BY

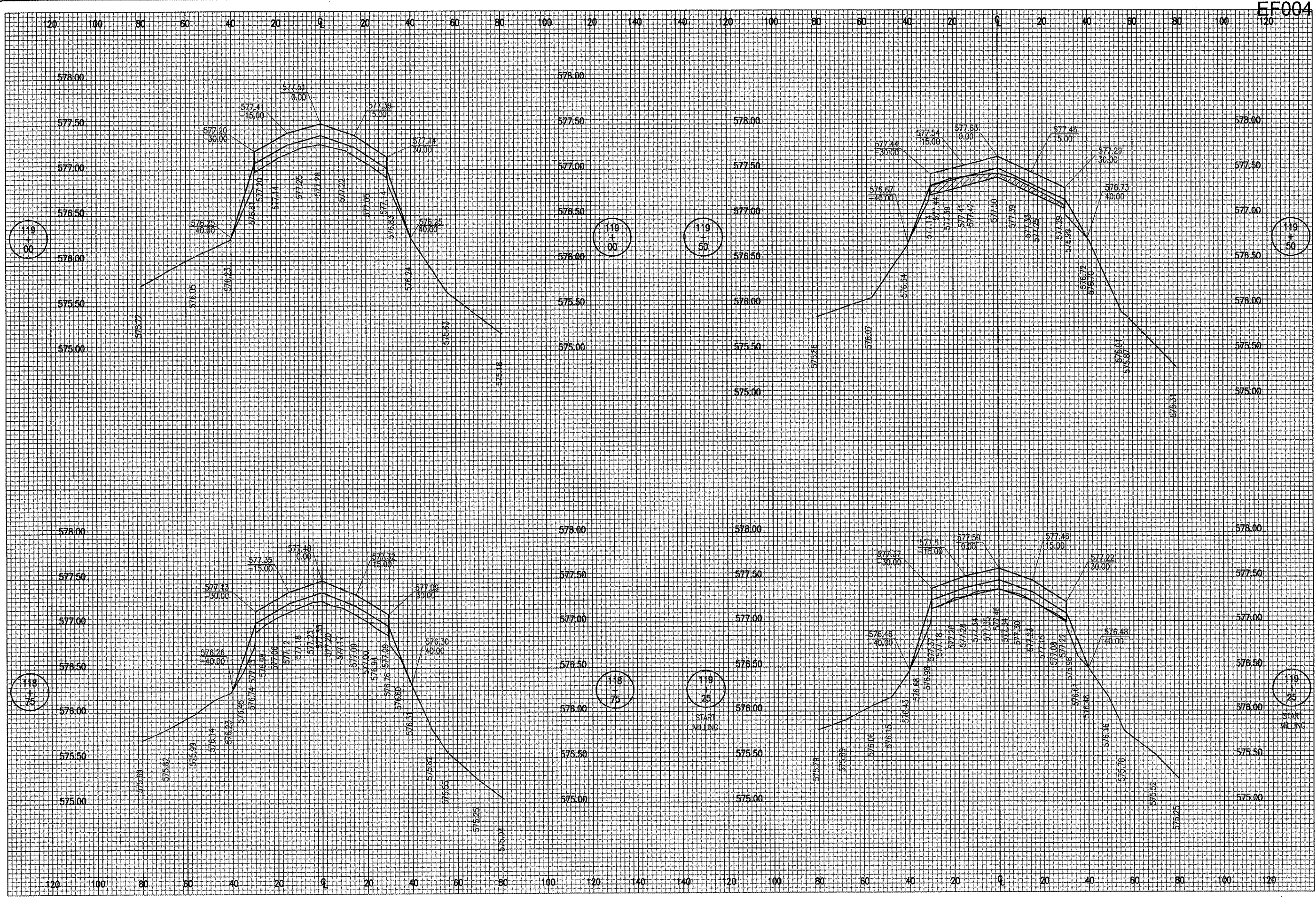
EFFINGHAM COUNTY  
MEMORIAL AIRPORT  
EFFINGHAM, ILLINOIS

IL PROJ.: 1H2-3688 A.I.P. PROJ.: 3-17-0040-B10

H&E Project No. 80407RWYD.0800 Filename: R-151MRK.DWG Scale: 1" = 20' Date: 02/15/07	LAYOUT CCC 02/15/07 KDM 02/15/07 CAH 04/23/07
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Hanson Professional Services Inc.  
1005 E. Main Street  
Springfield, Illinois 62709-2886  
Offices Nationwide

RECONSTRUCT  
RUNWAY 1-19  
PROPOSED  
MARKING PLAN  
FOR T-HANGAR



DATE	REVISION	BY

**EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS**

IL PROJ.: 1H2-3688 A.I.P. PROJ.: 3-17-0040-B10

HEI Project No.	80407RWYD_0800
Filename	R-301.XS.DWG
Scale	HORIZ: 20' VERT: 0.50'
Date	02/15/07
LAYOUT	KDM 02/15/07
DRAWN	MLB 03/02/07
REVIEWED	CAH 04/23/07

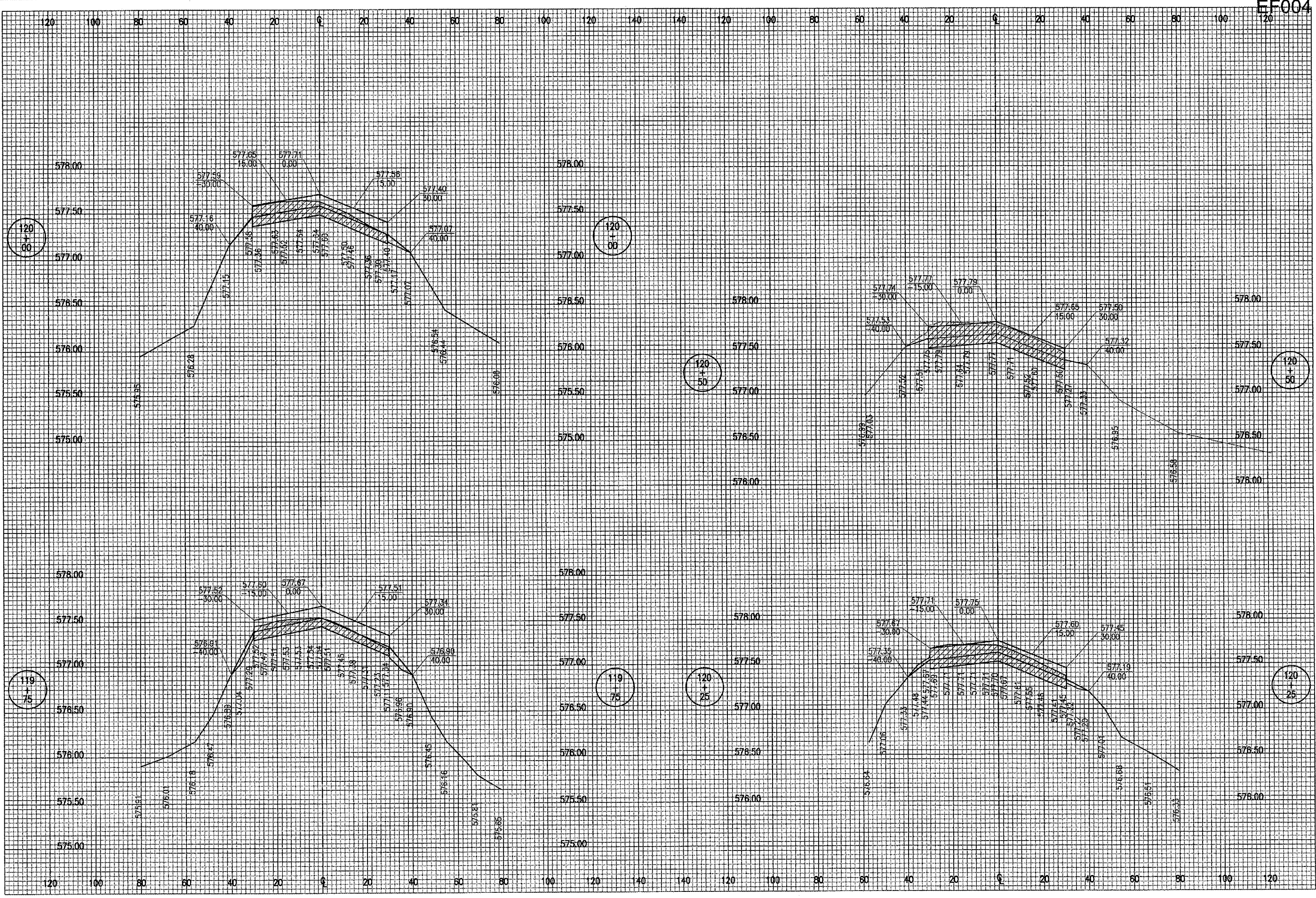


**RECONSTRUCT  
 RUNWAY 1-19**  
 PROPOSED  
 CROSS SECTIONS  
 STA. 118+75 TO STA. 119+50



APR 27, 2007 9:26 AM BAK  
 I:\AIRPORTS\EFFINGHAM\_804-OTRWY\AIRPORT\SHEETS\R-302XS.DWG - Model

EF004



DATE	REVISION	BY

EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS

IL PROJ: 112-3688 A.I.P. PROJ: 3-17-00-04-B10

IG Project No.	80407RWYD_0800
Filename	R-302XS.DWG
Scale	HORIZ: 20' VERT: 0.50'
Date	02/15/07
LAYOUT	KOM 02/15/07
DRAWN	MLB 03/02/07
REVIEWED	CAH 04/23/07



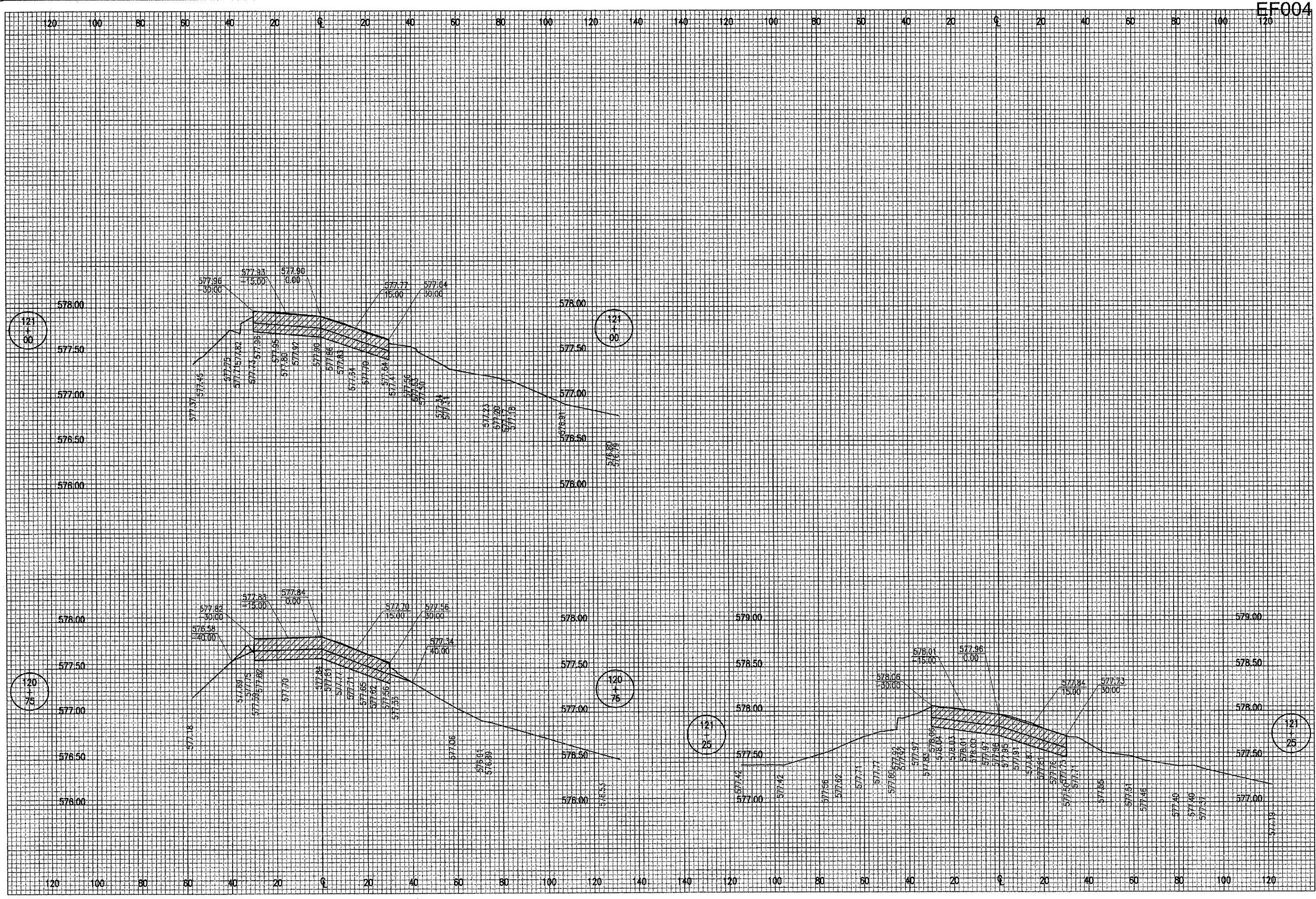
Hanson Professional Services Inc.  
 1520 South Lincoln  
 Springfield, Illinois 62708-2686  
 Offices Nationwide

RECONSTRUCT  
 RUNWAY 1-19

PROPOSED  
 CROSS SECTIONS

STA. 119+75 TO STA. 120+50



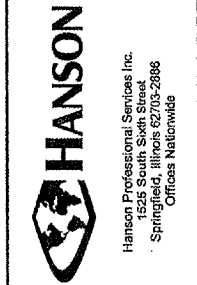


DATE	REVISION	BY

**EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS**

I.L. PROJ.: 112-3688      A.I.P. PROJ.: 3-17-0040-B10

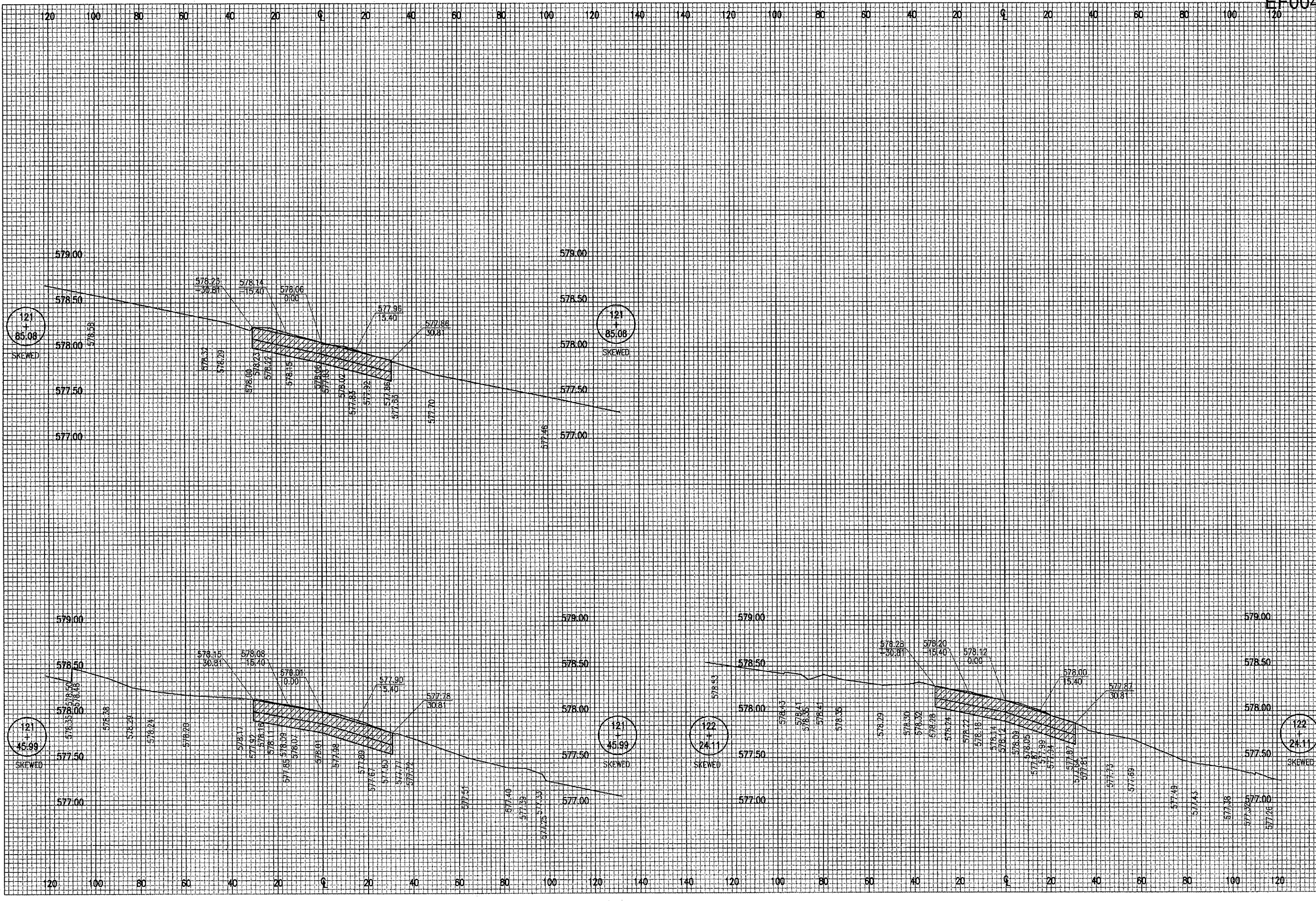
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**RECONSTRUCT  
 RUNWAY 1-19**

PROPOSED  
 CROSS SECTIONS  
 STA. 120+75 TO STA. 121+25





DATE	REVISION	BY

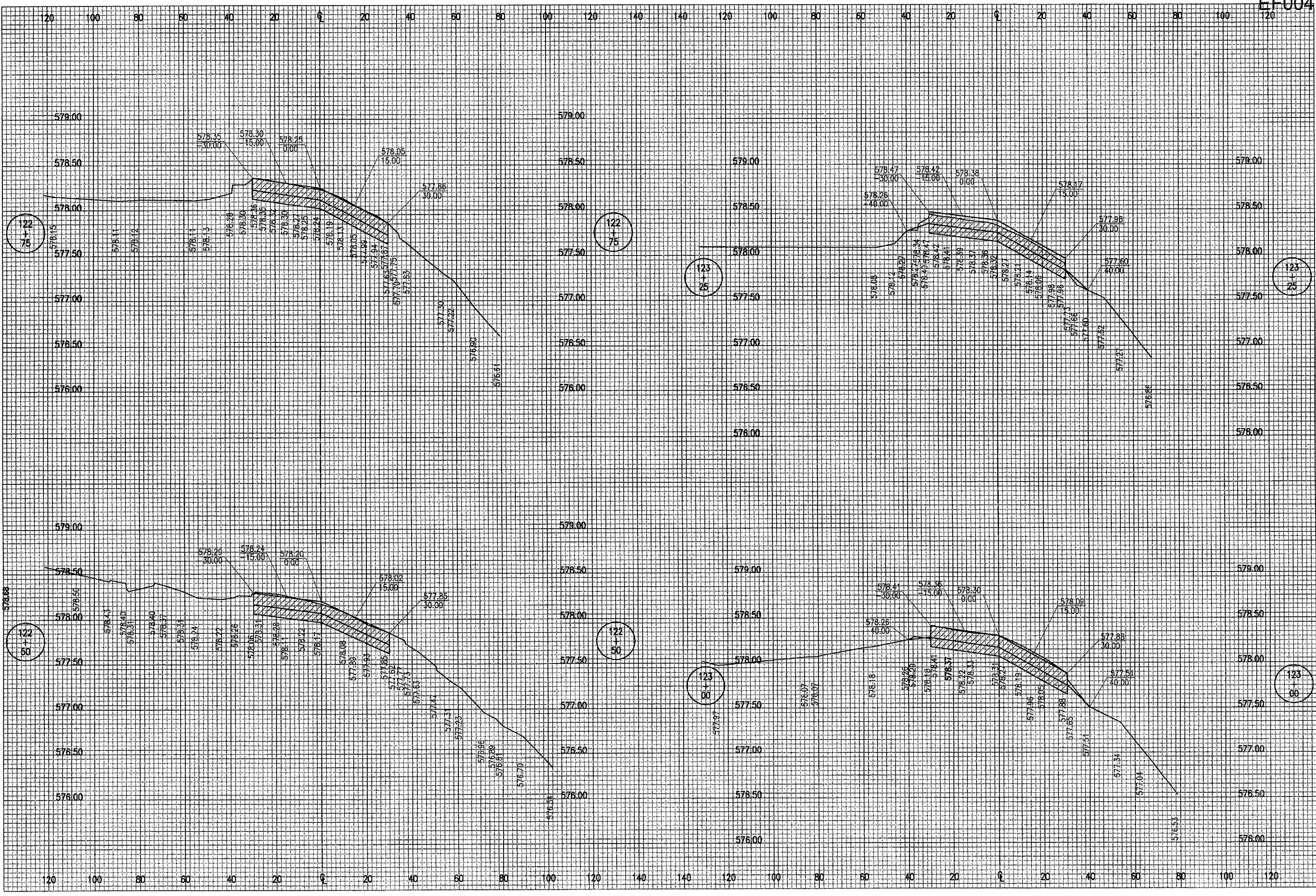
EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS

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RECONSTRUCT  
 RUNWAY 1-19  
 PROPOSED  
 CROSS SECTIONS  
 STA. 121+46 TO STA. 122+24



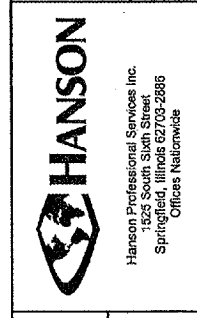


DATE	REVISION	BY

EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS

IL PROJ.: 1H2-3688 A.L.P. PROJ.: 3-17-0040-B10

HEI Project No. 80407RWYD_0800	Drawn Date 02/15/07
Filename R-305XS.DWG	Drawn By KDM
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Date 02/15/07	Reviewed By CAH

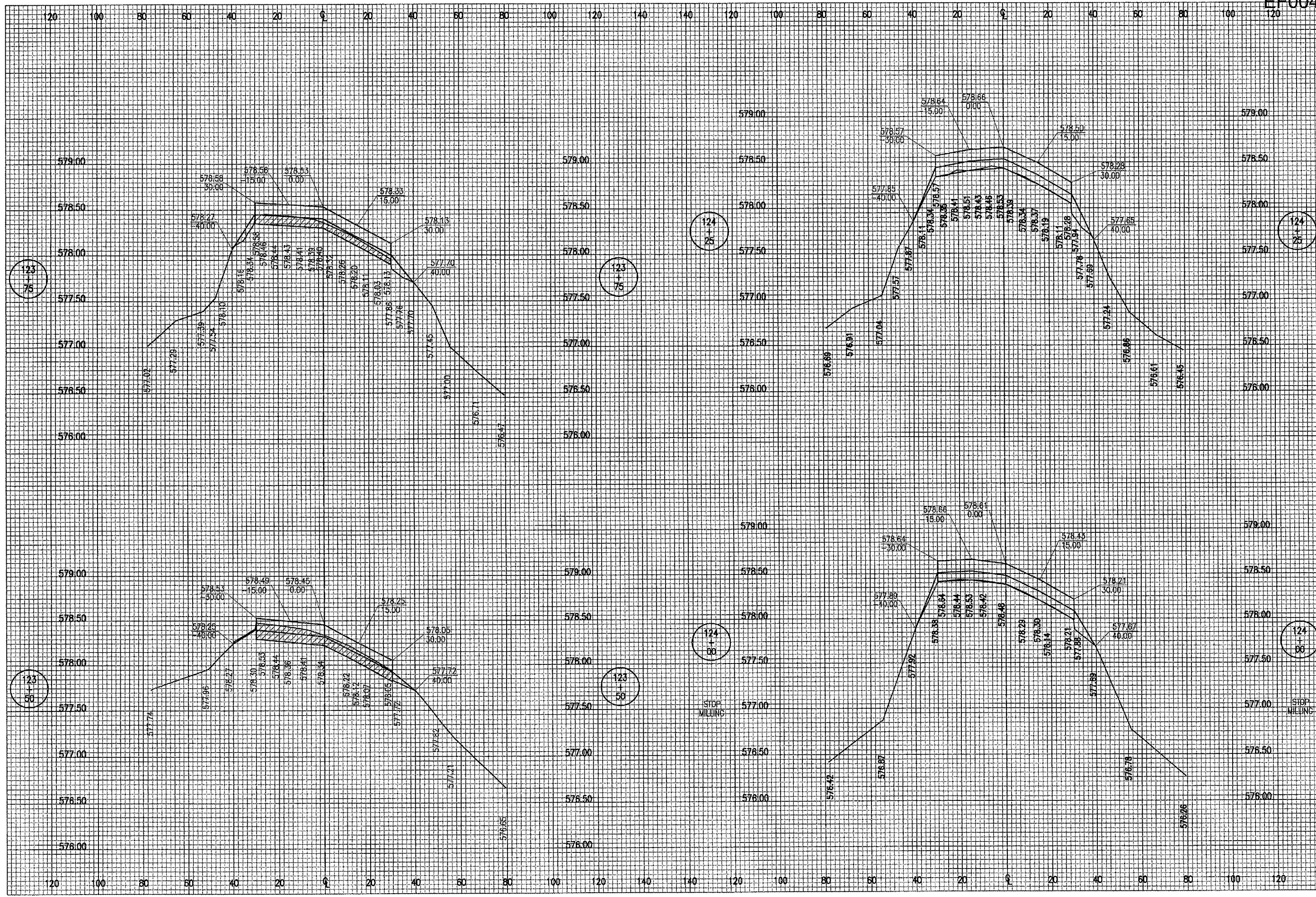


RECONSTRUCT  
 RUNWAY 1-19

PROPOSED  
 CROSS SECTIONS

STA. 122+50 TO STA. 123+25





DATE	REVISION	BY

EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS

IL PROJ.: 1H2-3688 A.I.P. PROJ.: 3-17-0040-B10

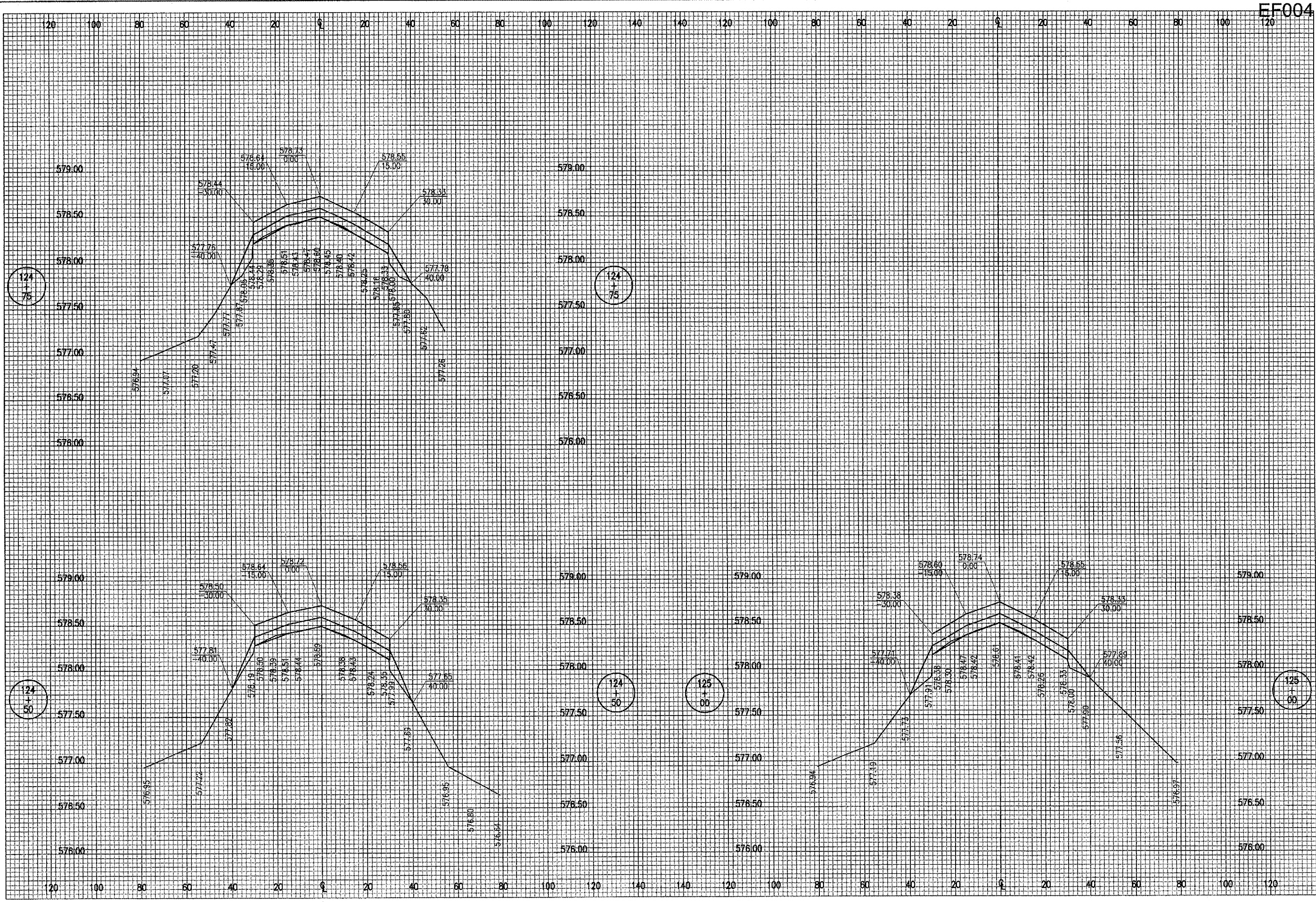
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Date	02/15/07
LAYOUT	KOM 02/15/07
DRAWN	MLB 03/02/07
REVIEWED	CAH 04/23/07



RECONSTRUCT  
 RUNWAY 1-19

PROPOSED  
 CROSS SECTIONS  
 STA. 123+50 TO STA. 124+25





DATE	REVISION	BY

EFFINGHAM COUNTY  
 MEMORIAL AIRPORT  
 EFFINGHAM, ILLINOIS

IL PROJ.: IH2-3688 A.I.P. PROJ.: 3-17-0040-B10

HE Project No.	80407RWY01 0800		
Filename	R-307XS.DWG		
Scale	HORIZ. 20'	VERT. 0.50'	
Date	02/15/07		
LAYOUT	KDM	02/15/07	
DRAWN	MLB	03/02/07	
REVIEWED	CAH	04/23/07	



Hanson Professional Services Inc.  
 1525 South Sixth Street  
 Springfield, Illinois 62763-2886  
 Offices Nationwide

RECONSTRUCT  
 RUNWAY 1-19

PROPOSED  
 CROSS SECTIONS  
 STA. 124+50 TO STA. 125+00