

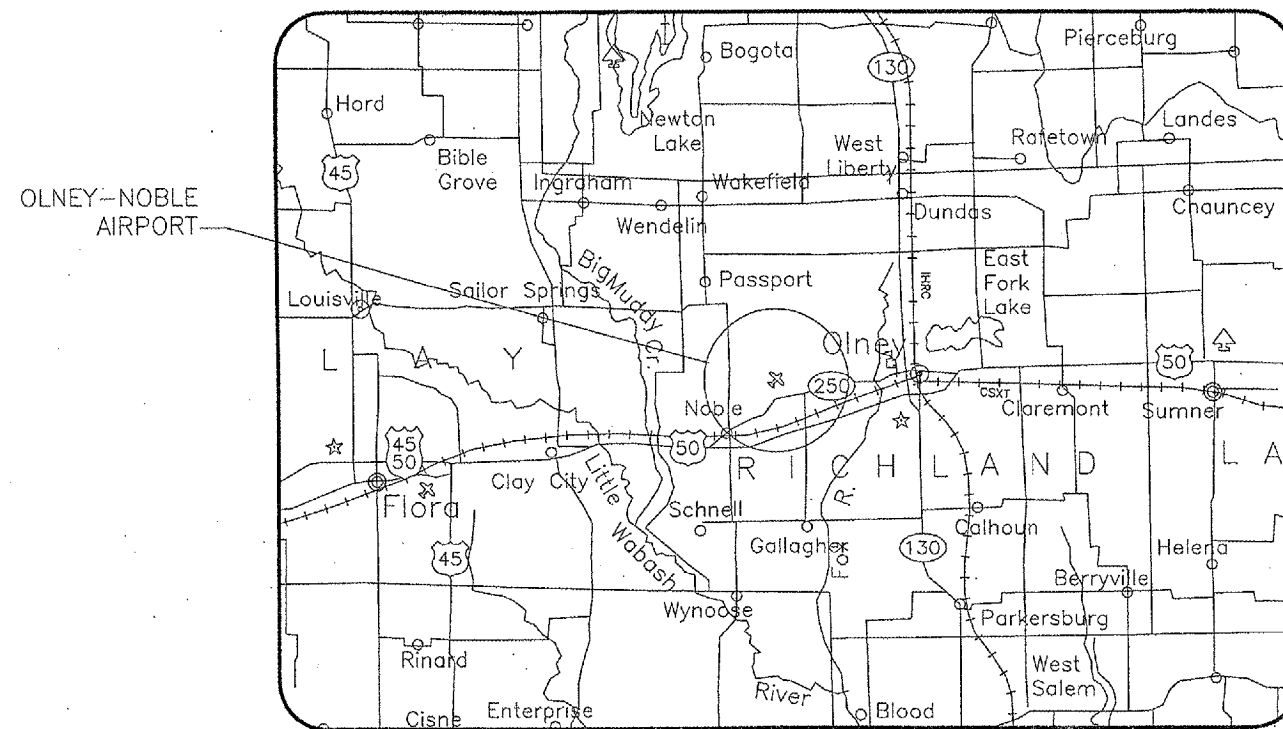
CONSTRUCTION PLANS FOR OLNEY-NOBLE AIRPORT OLNEY, RICHLAND COUNTY, ILLINOIS

REHABILITATE RUNWAY 3/21

SCOPE OF WORK

THE PROPOSED IMPROVEMENTS CONSISTS OF:
THE APPLICATION OF A POROUS FRICTION COURSE, BITUMINOUS SURFACE COURSE, MARKING,
AND EARTH SHOULDERING ON RUNWAY 3/21.

ADDITIVE ALTERNATE 1:
REPLACE MANDATORY GUIDANCE SIGN PANELS

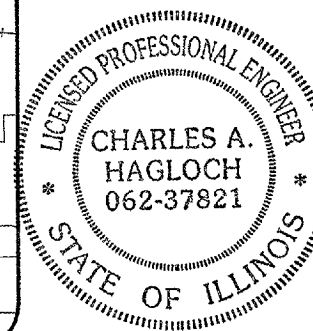



OLNEY-NOBLE AIRPORT

LOCATION

ILL. PROJ. OLY-3438
A.I.P. PROJ. 3-17-0076-B7

LATITUDE: 38° 43' 18"
LONGITUDE: 88° 10' 35"
ELEVATION: 481.0' M.S.L.
DATE: 04/22/05





HANSON
Hanson Professional Services Inc.


Submitted by: Charles A. Hagloch ENG'R
Date Submitted: MAY 18, 2005
Lic. Exp. Date: Nov. 30, 2005

OLNEY-NOBLE AIRPORT AUTHORITY

Approved: [Signature] CHAIRMAN
Date: 4-29-05

Approved: [Signature] SECRETARY
Date: April 29, 2005



	REVISION	DATE						
OLNEY-NOBLE AIRPORT OLNEY, ILLINOIS RICHLAND COUNTY								
Heli. Project No. 820-05RWY Filenam. R-001COV.DGN Scale NONE Date 02/13/05		LAYOUT JAC 02/03/05 DRAWN MOC 02/03/05 REVIEWED CAH 05/13/05		A.I.P. PROJ.: 3-17-0076-B7 ILL. PROJ.: OLY-3438				
 <p>HANSON Hanson Professional Services Inc. 4227 Earth City Expressway St. Louis, Missouri 63045 Offices Nationwide</p>			REHABILITATE RUNWAY 3/21 COVER SHEET					
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p>ILL. PROJ. OLY-3438 A.I.P. PROJ. 3-17-0076-B7</p> <p>LATITUDE: 38° 43' 18" LONGITUDE: 88° 10' 35" ELEVATION: 481.0' M.S.L. DATE: 04/22/05</p> </div>								
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">OLNEY-NOBLE AIRPORT AUTHORITY</p> <p>Approved: <u>[Signature]</u> CHAIRMAN Date: <u>4-29-05</u></p> <p>Approved: <u>[Signature]</u> SECRETARY Date: <u>April 29, 2005</u></p> </div>								
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">1 1 of 36 sheets</p> </div>								

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OL006

SUMMARY OF QUANTITIES - BASE BID

ITEM NO.	DESCRIPTION	UNIT	AS AWARDED QUANTITIES	AS BUILT QUANTITIES
AR125941	ADJUST STAKE MOUNTED LIGHT	EA	46	
AR125942	ADJUST BASE MOUNTED LIGHT	EA	8	
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150540	HAUL ROAD	L.S.	1	
AR156520	INLET PROTECTION	EA	5	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	5000	
AR401610	BITUMINOUS SURFACE COURSE	TON	2283	
AR401620	BITUMINOUS SURFACE COURSE, LEVELING	TON	2411	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	1065	
AR401910	REMOVE & REPLACE BIT. PAVEMENT	S.Y.	141	
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	20723	
AR603510	BITUMINOUS TACK COAT	GAL.	14601	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	13001	
AR705943	ADJUST UNDERDRAIN INSPECTION HOLE	EA	10	
AR901510	SEEDING	AC	5.0	
AR905520	TOPSOILING (FROM OFF SITE)	CY	2093	
AR908510	MULCHING	AC	5.0	

SUMMARY OF QUANTITIES - BID ALTERNATE NO. 1

ITEM NO.	DESCRIPTION	UNIT	AS AWARDED QUANTITIES	AS BUILT QUANTITIES
AR800530	TAXIWAY SIGN PANEL REPLACEMENT	EA	4	

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES & INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	PROPOSED PAVEMENT REMOVAL AND REPLACEMENT
5	PROPOSED PLAN & PROFILE STA. 13+07.00 TO STA. 25+00.00
6	PROPOSED PLAN & PROFILE STA. 25+00.00 TO STA. 38+00.00
7	PROPOSED PLAN & PROFILE STA. 38+00.00 TO STA. 49+05.89
8	PROPOSED BUTT JOINT CONSTRUCTION DETAIL
9	PROPOSED EROSION CONTROL DETAIL
10	PROPOSED LIGHT ADJUSTMENT DETAIL
11	PROPOSED GENERAL NOTES
12	PROPOSED STAKING PLAN STA. 13+07.00 TO STA. 49+05.89
13	PROPOSED RUNWAY INTERSECTION STAKING PLAN STA. 34+50.00 TO STA. 40+00.00
14	PROPOSED MARKING PLAN STA. 13+07 TO 21+00
15	PROPOSED MARKING PLAN STA. 21+00 TO 28+00
16	PROPOSED MARKING PLAN STA. 28+00 TO 35+00
17	PROPOSED MARKING PLAN STA. 35+00 TO 42+00
18	PROPOSED MARKING PLAN STA. 42+00 TO 49+05.89
19	PROPOSED TAXIWAY SIGN PANEL REPLACEMENT
20	PROPOSED CROSS SECTIONS STA. 13+07.00 TO 15+00.00
21	PROPOSED CROSS SECTIONS STA. 15+50.00 TO 17+00.00
22	PROPOSED CROSS SECTIONS STA. 17+50.00 TO 19+00.00
23	PROPOSED CROSS SECTIONS STA. 19+50.00 TO 21+00.00
24	PROPOSED CROSS SECTIONS STA. 21+50.00 TO 23+00.00
25	PROPOSED CROSS SECTIONS STA. 23+50.00 TO 26+00.00
26	PROPOSED CROSS SECTIONS STA. 26+50.00 TO 29+00.00
27	PROPOSED CROSS SECTIONS STA. 26+50.00 TO 29+00.00
28	PROPOSED CROSS SECTIONS STA. 31+50.00 TO 33+34.00
29	PROPOSED CROSS SECTIONS STA. 33+50.00 TO 35+19.00
30	PROPOSED CROSS SECTIONS STA. 35+50.00 TO 39+00.00
31	PROPOSED CROSS SECTIONS STA. 39+23.00 TO 40+00.00
32	PROPOSED CROSS SECTIONS STA. 40+50.00 TO 41+50.00
33	PROPOSED CROSS SECTIONS STA. 42+00.00 TO 43+50.00
34	PROPOSED CROSS SECTIONS STA. 44+00.00 TO 45+50.00
35	PROPOSED CROSS SECTIONS STA. 46+00.00 TO 47+50.00
36	PROPOSED CROSS SECTIONS STA. 48+00.00 TO 49+00.00

REVISION	DATE	BY

OLNEY-NOBLE AIRPORT
OLNEY, ILLINOIS
RICHLAND COUNTY

IL. PROJ.: OLY-3438 A.I.P. PROJ.: 3-17-0076-B7

IEL Project No. 820-05RWY	JAC	02/24/05
Element R-002FLP.DGN	JAC	02/24/05
Scale NO SCALE	CAH	05/13/05
Date 02/03/2005		
LAYOUT		
DRAWN		
REVIEWED		



REHABILITATE
RUNWAY 3/21

SUMMARY OF QUANTITIES
&
INDEX TO SHEETS

11. N.A. AIRPORT \SXD\NE\YAB26-05RWY\A.I.P.PORT\SHSHEETS\N.R-002FLP.DGN 05/12/2005 07:43 AM BAK

SCOPE OF WORK

THE PROPOSED IMPROVEMENTS CONSISTS OF: THE APPLICATION OF A POROUS FRICTION COURSE, BITUMINOUS SURFACE COURSE, MARKING, AND EARTH SHOULDERING ON RUNWAY 3/21

PROPOSED SAFETY PLAN

GENERAL - THE OLNEY NOBLE AIRPORT IS COMPRISED OF TWO PAVED RUNWAYS.

THE PROPOSED CONSTRUCTION WILL NECESSITATE CLOSING BOTH RUNWAYS. RUNWAY 3/21 WILL BE CLOSED FOR THE DURATION OF THE PROJECT. ANY TIME THE CONTRACTOR IS WORKING WITHIN 200' OF THE RUNWAY 11/29 CENTERLINE, THE RUNWAY WILL BE CLOSED. 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 AND RE-OPEN RUNWAY 11/29. CLOSURE OF RUNWAY 11/29 WILL BE KEPT TO A MINIMUM. ALL WORK INCLUDED IN OPENING AND CLOSING THE RUNWAYS WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR IS REQUIRED TO NOTIFY THE AIRPORT MANAGER, THROUGH THE RESIDENT ENGINEER, SEVEN (7) DAYS IN ADVANCE OF THE COMMENCEMENT OF WORK. THIS WILL ALLOW THE AIRPORT MANAGER TIME TO ISSUE ALL NECESSARY NOTAM'S. THE CONTRACTOR IS REQUIRED TO PROVIDE 24 HOURS NOTICE PRIOR TO CLOSING EITHER RUNWAY.

IT IS THE RESPONSIBILITY OF THE AIRPORT MANAGER TO ISSUE ALL NOTAM'S REQUIRED THROUGHOUT THE CONSTRUCTION OF THE PROJECT.

CONTRACTOR'S RESPONSIBILITIES

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).

ALL CONTRACTOR PERSONNEL SHALL HAVE IDENTIFICATION MAKING IT OBVIOUS THAT THEY ARE A PART OF THE CONSTRUCTION CREW.

THE CONTRACTOR, HIS EMPLOYEES, AND EQUIPMENT SHALL BE RESTRICTED TO THE PROJECT WORK AREA.

RADIO CONTROL - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (123.00 MHZ.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE OLNEY-NOBLE 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.

EQUIPMENT PARKING AND STORAGE - THE CONTRACTOR'S EQUIPMENT PARKING, MATERIAL STORAGE, AND EMPLOYEE PARKING WILL BE AT THE LOCATION SHOWN ON THIS DRAWING. ONLY VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION WILL BE PERMITTED TO LEAVE THESE AREAS.

THE CONTRACTOR IS REQUIRED TO LIMIT THE USE OF CONSTRUCTION EQUIPMENT ON THE EXISTING PAVEMENTS. ONLY EQUIPMENT NEEDED TO COMPLETE THE SPECIFIC WORK ON THE EXISTING PAVEMENT WILL BE PERMITTED. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING PAVEMENTS CAUSED BY HIS PERSONNEL OR EQUIPMENT. CONTRACTOR WILL PROVIDE 1 WEEK NOTICE OF CLOSURES PRIOR TO START.

HAUL ROUTE AND EQUIPMENT PARKING

THE CONTRACTOR IS RESTRICTED TO USING THE DESIGNATED HAUL ROUTE AND EQUIPMENT PARKING AREA SHOWN ON THIS SAFETY PLAN. THE PARKING AREA IS APPROXIMATELY 200 FT. BY 200 FT. THE CONTRACTOR IS REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING AREA THROUGHOUT THE PROJECT DURATION. ALL DISTURBED AREAS WILL BE RETURNED TO THE ORIGINAL CONDITION AT THE CONCLUSION OF THE PROJECT. MAINTENANCE AND RESTORATION OF THE HAUL ROUTE AND EQUIPMENT PARKING AREA WILL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

BARRICADES AND TRAFFIC CONES

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

HEIGHT OF CONSTRUCTION EQUIPMENT

THE TALLEST EQUIPMENT EXPECTED TO BE REQUIRED FOR THE PROJECT IS A DUMP TRUCK IN THE UP POSITION. THE MAXIMUM ANTICIPATED HEIGHT OF THE TRUCK BED IS 25 FT.

UTILITY NOTE

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE UTILITY COMPANIES AND ORGANIZATIONS THAT HAVE LINES OR CONDUITS IN THE PROPOSED CONSTRUCTION AREA AND CONTACTING THEM FOR LOCATION AND DEPTH OF THE LINE. ALL LINES AND CONDUITS ARE TO BE LOCATED AND IDENTIFIED FOR DEPTH PRIOR TO ANY EXCAVATION. THE CONTRACTOR IS REQUIRED TO CONTACT JULIE (1-800-892-0123) TO ASSIST IN THESE REQUIREMENTS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR IDENTIFYING ALL NON-JULIE UTILITIES WITHIN THE CONSTRUCTION LIMITS. THESE UTILITIES MUST ALSO BE LOCATED BEFORE CONSTRUCTION BEGINS.

TAXIWAY CLOSURE

A TAXIWAY MUST BE CLOSED AT ANYTIME CONSTRUCTION ACTIVITIES ARE WITHIN 72 FT. OF THE TAXIWAY'S CENTERLINE.

THE CONTRACTOR IS REQUIRED TO PLACE BARRICADES AND TRAFFIC CONES AT THE LOCATIONS SHOWN ON THIS DRAWING AND AS DIRECTED BY THE RESIDENT ENGINEER, EFFECTIVELY CLOSING THE CONSTRUCTION AREA.

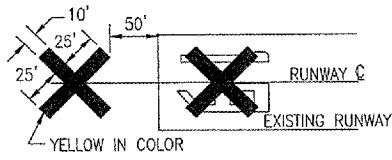
BARRICADES WILL BE EQUIPPED WITH FLASHING RED OR STEADY BURN LIGHTS AND SQUARE ORANGE FLAGS. PLACEMENT, MAINTENANCE AND REMOVAL OF THE BARRICADES AND TRAFFIC CONES IS INCIDENTAL TO THE CONTRACT, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EROSION CONTROL

THE PROPOSED PROJECT WILL DISTURB MORE THAN 1 ACRE. THEREFORE, A STORM WATER POLLUTION PREVENTION PLAN AND A N.P.D.E.S. PERMIT IS REQUIRED.

AIRPORT SECURITY

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES THROUGHOUT THE PROJECT. THE CONTRACTOR IS RESTRICTED TO THE PROPOSED HAUL ROUTE FOR ACCESS TO THE AIRPORT PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE GATES TO THE ACCESS AT THE END OF EACH DAY. THE CONTRACTOR IS REQUIRED TO PROVIDE LOCKS TO ACCOMPLISH THIS REQUIREMENT. FURNISHING LOCKS AND MAINTAINING AIRPORT SECURITY WILL BE INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



DETAIL OF CROSS FOR CLOSED RUNWAY

"NOT TO SCALE"

RUNWAY CLOSURE PROCEDURES:

- * CONTACT THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
* ISSUANCE OF NOTAM BY THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
* PLACEMENT OF CROSSSES (SEE DETAIL THIS SHEET).
* PLACEMENT OF LIGHTED BARRICADES. ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION OPERATIONS WITHIN 200 FT. OF THE AFFECTED RUNWAY CENTERLINE BEGIN.

RUNWAY REOPENING PROCEDURES:

- * REMOVE CROSSSES.
* REMOVE LIGHTED BARRICADES.
* NOTIFY THE AIRPORT MANAGER OR HIS REPRESENTATIVE TO CANCEL THE NOTAM.
* CANCELLATION OF THE NOTAM. A CLOSED RUNWAY WILL NOT BE REOPENED UNTIL ALL EQUIPMENT AND WORK ARE FURTHER THAN 200 FT. FROM THE AFFECTED RUNWAY CENTERLINE.

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 IN 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.

LEGEND

- EXISTING BUILDINGS
EXISTING PAVEMENT
EXISTING AIRPORT PROPERTY LINE
PROPOSED CONSTRUCTION AREA
BENCHMARKS
PROPOSED HAUL ROUTE & PARKING
TRAFFIC CONES/BARRICADES

J.U.L.I.E. INFORMATION

COUNTY RICHLAND
CITY OLNEY
TOWNSHIP NOBLE
SECTION NO. 2
ADDRESS OLNEY-NOBLE AIRPORT
2632 EAST IL ROUTE 250
NOBLE, ILLINOIS 42868

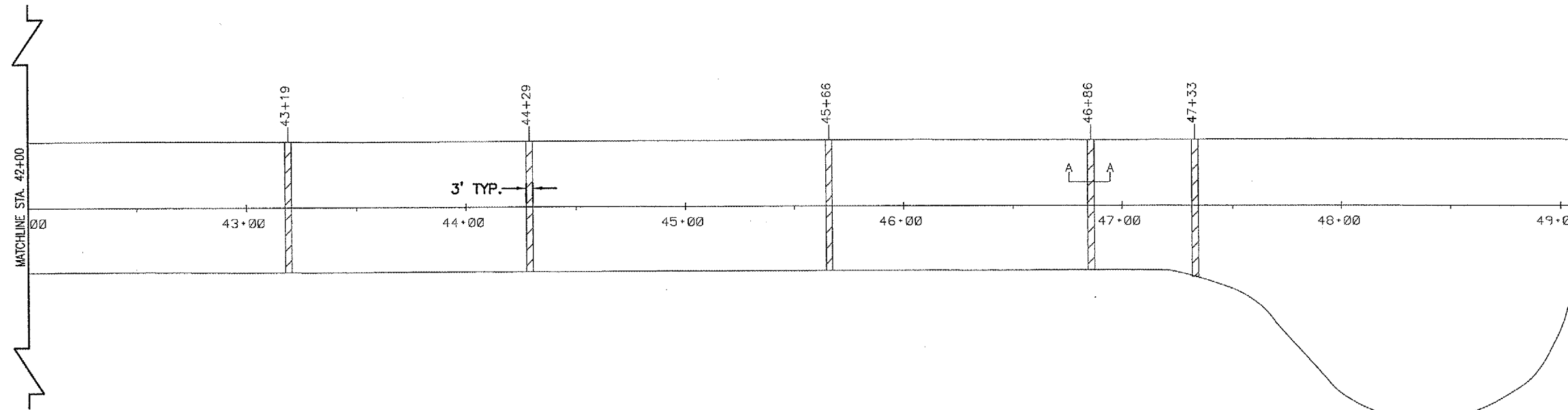
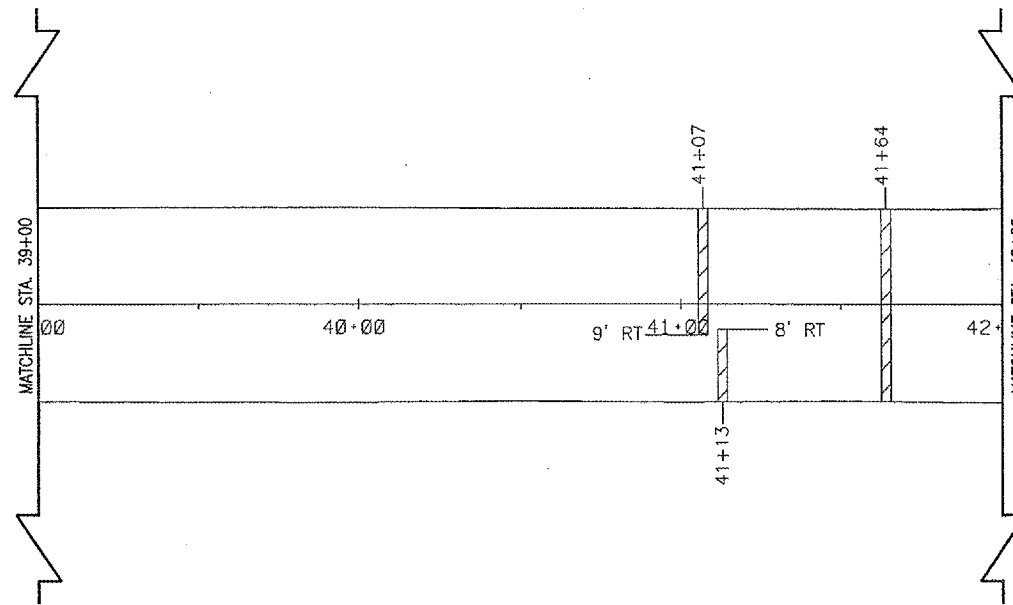
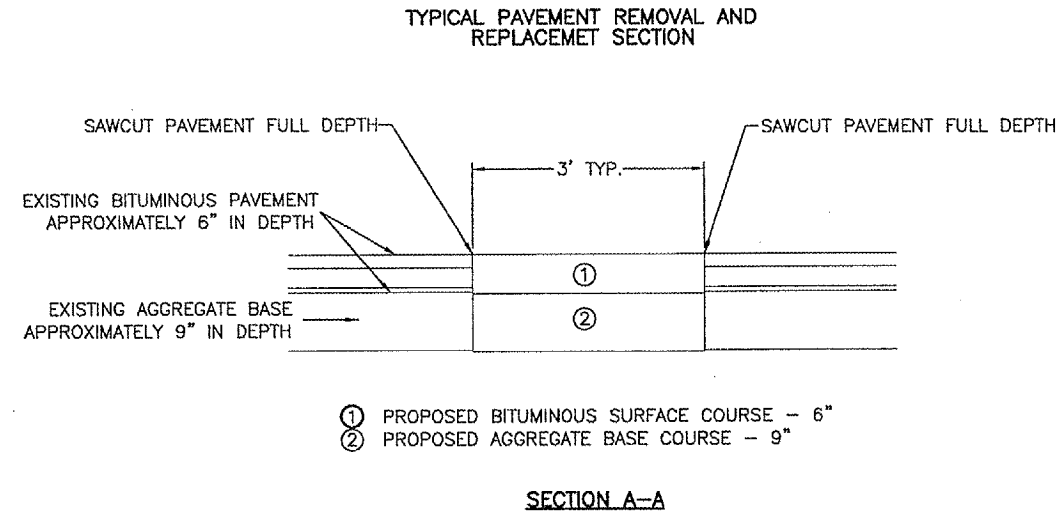
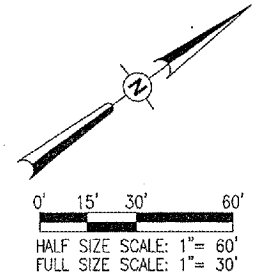
CRITICAL POINT DATA

- CRITICAL POINT 1
200 FT NORTH OF RUNWAY 11-29
CENTERLINE ON RUNWAY 3-21
LATITUDE - 38° 43' 20.83095"
LONGITUDE - 88° 10' 24.05105"
CRITICAL POINT 2
200 FT SOUTH OF RUNWAY 11-29
CENTERLINE ON RUNWAY 3-21
LATITUDE - 38° 43' 17.62759"
LONGITUDE - 88° 10' 27.00976"

Table with columns: BM #, CB-, DESCRIPTION, ELEV. Row 1: 1, NGS MONUMENT OLNEPORT, 469.12

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Project information block including: OLNEY-NOBLE AIRPORT, OLNEY, ILLINOIS, RICHLAND COUNTY, A.I.P. PROJ.: 3-17-0076-B7, I.L. PROJ.: OLY-3438, HANSON logo, REHABILITATE RUNWAY 3/21, PROPOSED SAFETY PLAN, 3 of 36 sheets



REMOVE & REPLACE BITUMINOUS PAVEMENT

THE AREA DESIGNATED AS ON THIS SHEET WILL HAVE THE EXISTING PAVEMENT REMOVED (FULL DEPTH) TO A SUITABLE SUBGRADE. ALL REMOVED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE.

WHERE THE PROPOSED REMOVAL AREA ABUTS THE EXISTING PAVEMENT, THE PAVEMENT WILL BE SAWED AS SHOWN ON THIS SHEET. THE SAWING WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED PAVEMENT REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE AGGREGATE BASE COURSE AND BITUMINOUS SURFACE COURSE WILL BE INSTALLED AS PER THE SUPPLEMENTAL SPECIFICATIONS. THESE ITEM ARE CONSIDERED A PART OF THIS PAY ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

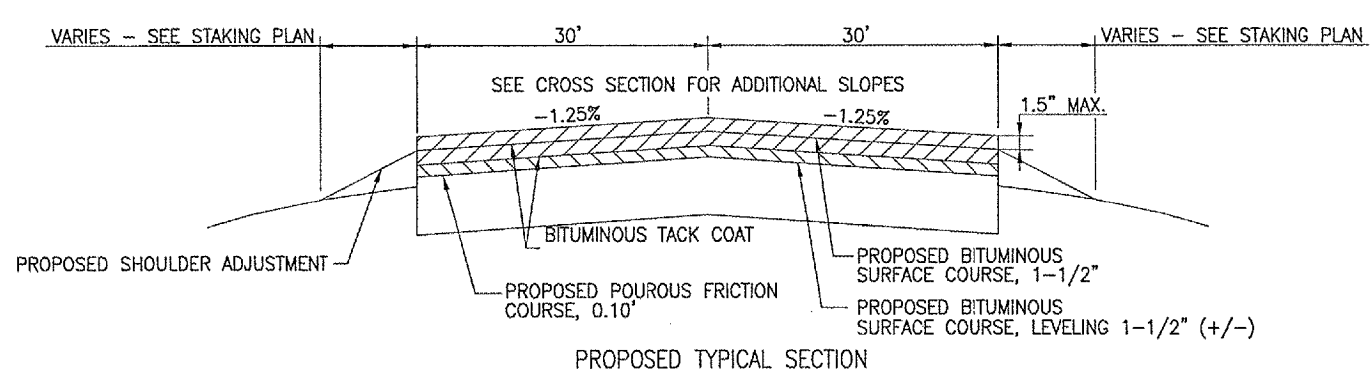
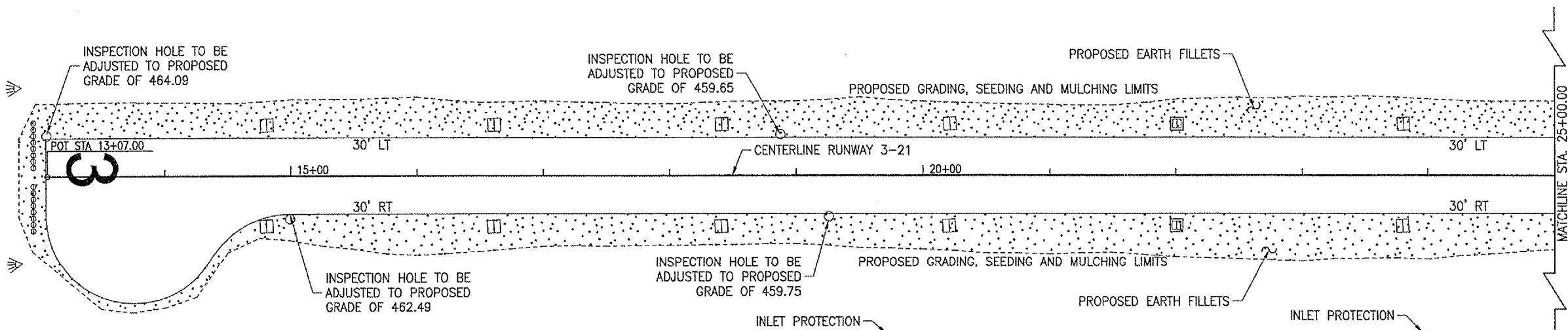
THE REMOVAL AND REPLACEMENT OF BITUMINOUS PAVEMENT WILL BE PAID FOR UNDER ITEM: AR401910 "REMOVE & REPLACE BITUMINOUS PAVEMENT" _____ 141 SQ. YDS.

QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
AR401910	REMOVE & REPLACE BITUMINOUS PAVEMENT	SY	141

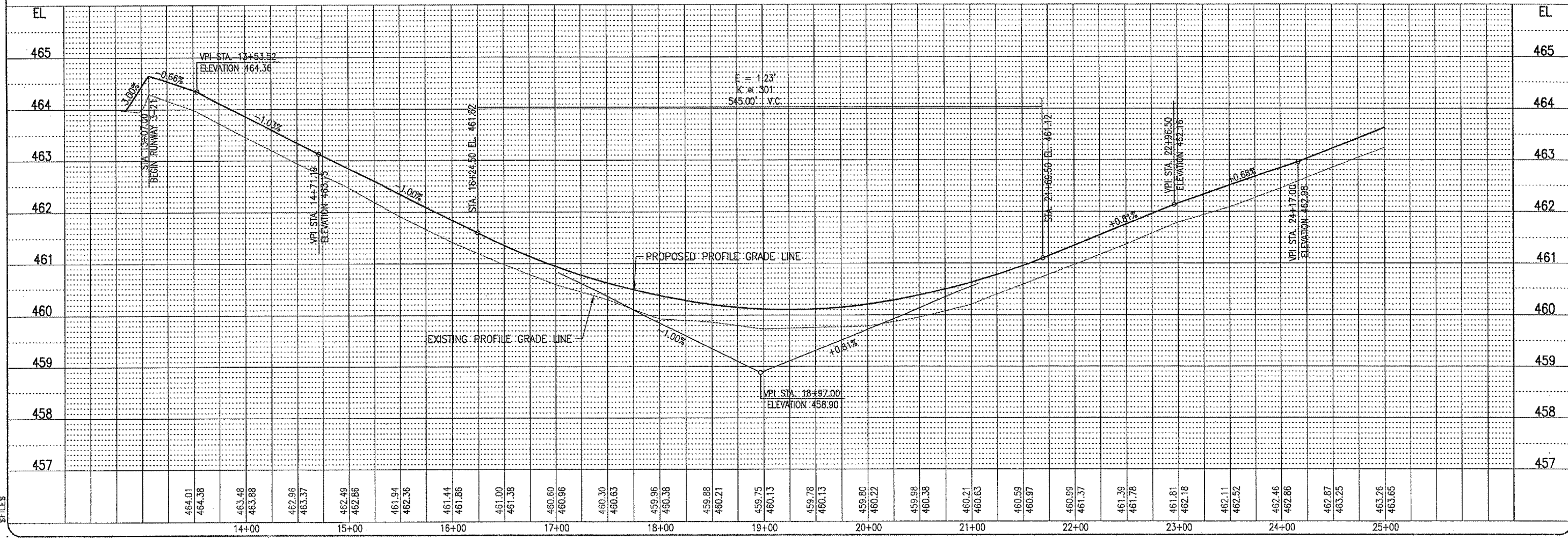
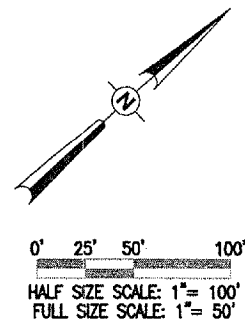
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REVISION		DATE			
BY					
<p>OLNEY-NOBLE AIRPORT OLNEY, ILLINOIS RICHLAND COUNTY</p>					
<p>A.I.P. PROJ.: 3-17-0076-B7 IL PROJ.: OLY-3438</p>					
<p>FILE PROJECT No. 820-05RWY FILENAME R-101REM.DGN SCALE 1" = 30' DATE 02/03/05</p>		<p>LAYOUT JAC 02/03/05 DRAWN JAC 02/03/05 REVIEWED CAH 05/13/05</p>		<p>HANSON Hanson Professional Services Inc. 4227 Earth City Expressway, Suite 130 St. Louis, MO 63046-3308 Offices Nationwide</p>	
REHABILITATE RUNWAY 3/21		PROPOSED PAVEMENT REMOVAL AND REPLACEMENT			
4					
4 of 38 sheets					

BY	
REVISION	
DATE	

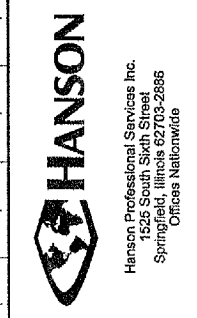


- CONSTRUCTION LEGEND**
- BUTT JOINT CONSTRUCTION
 - PROPOSED GRADING, SEEDING AND MULCHING
 - EXISTING BASE MOUNTED LIGHT
 - EXISTING STAKE MOUNTED LIGHT
 - EXISTING STAKE MOUNTED THRESHOLD LIGHT



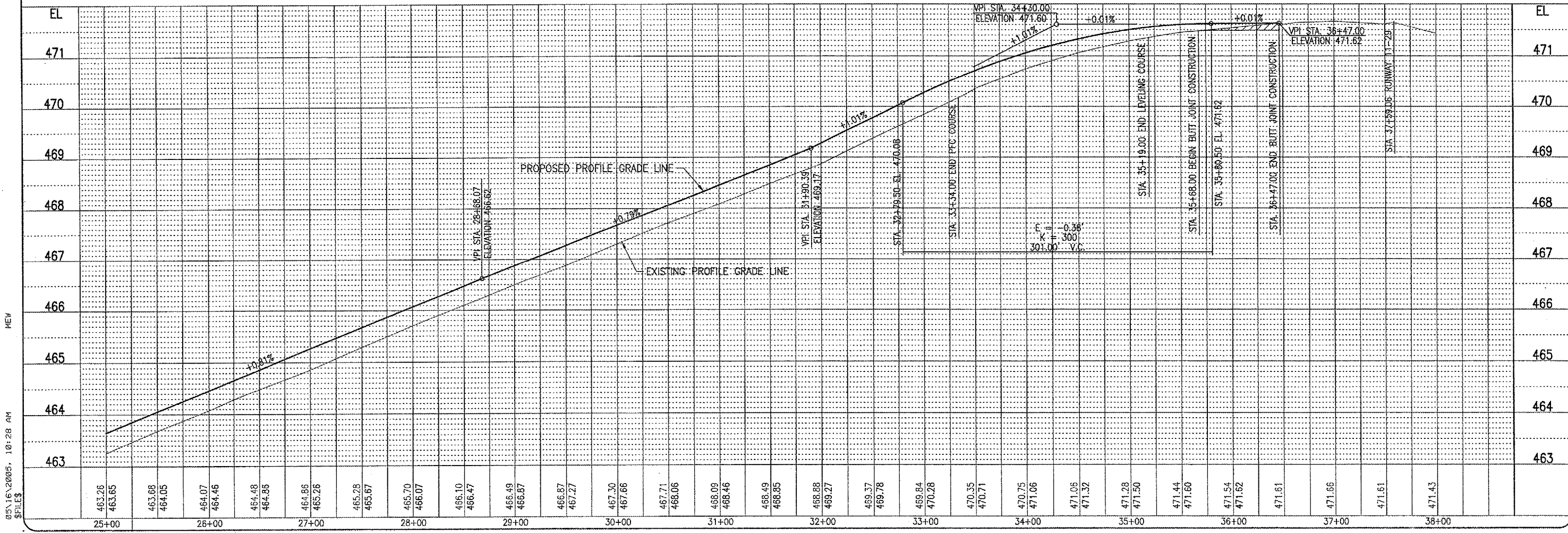
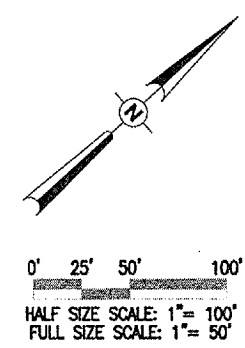
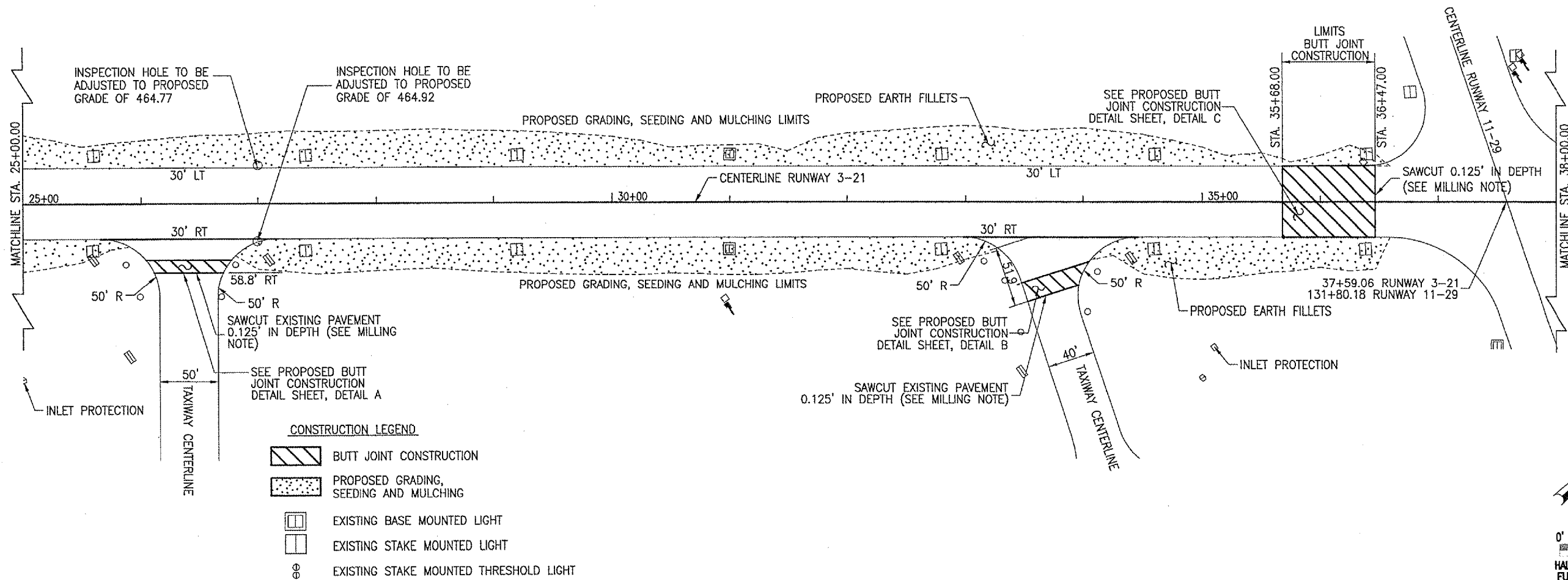
OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

HE Project No.	820-05RWY
Discipline	R-70IPNP.DGN
Scale	1" = 50'
Date	05/06/2005
LAYOUT	MEW 05/06/05
DRAWN	MEW 05/06/05
REVIEWED	CAH 05/13/05



REHABILITATE
 RUNWAY 3-21
 PROPOSED
 PLAN & PROFILE
 STA. 13+07.00 TO STA. 25+00.00

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DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
OLNEY, ILLINOIS
RICHLAND COUNTY

A.I.P. PROJ.: 3-17-0076-B7

HEI Project No. 820-05RWY	ELW Project No. R-702PNP.DGN
Scale 1" = 50'	Date 05/06/2005
LAYOUT MEW 05/06/05	DRAWN MEW 05/06/05
REVIEWED CAH 05/13/05	IL PROJ.: OLY-3428

HANSON

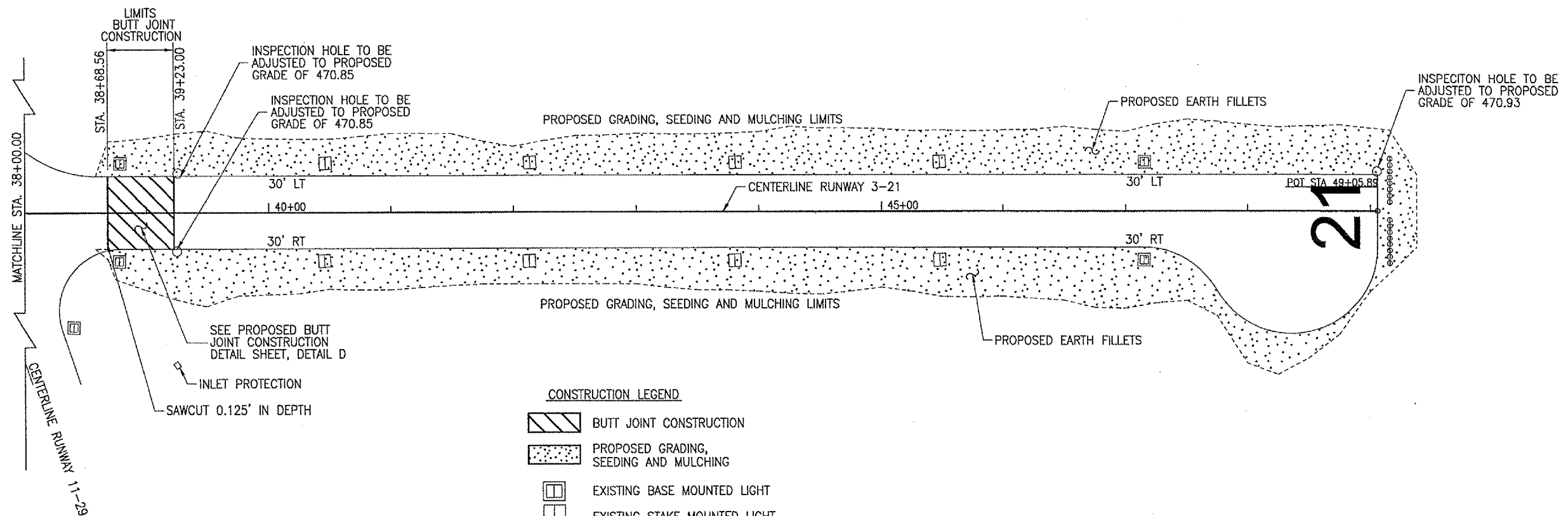
Hanson Professional Services Inc.
1505 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

REHABILITATE
RUNWAY 3-21

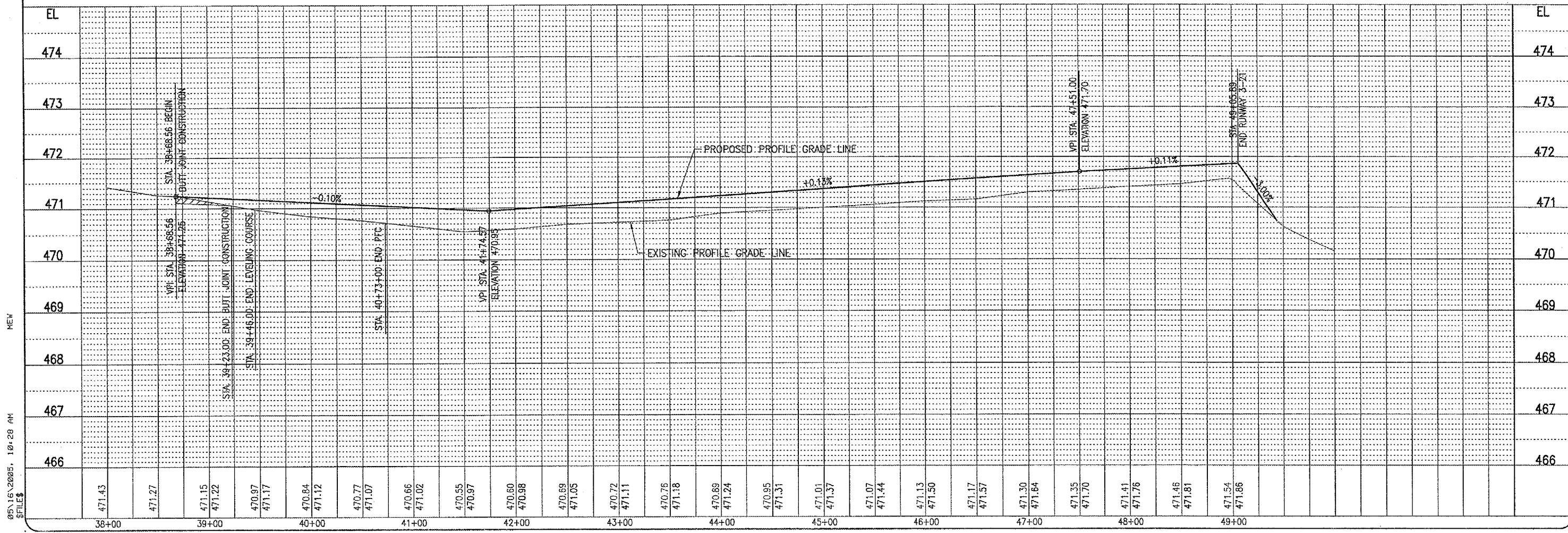
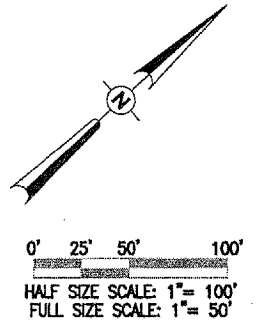
PROPOSED
PLAN & PROFILE

STA. 25+00.00 TO STA. 38+00.00

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- CONSTRUCTION LEGEND**
- BUTT JOINT CONSTRUCTION
 - PROPOSED GRADING, SEEDING AND MULCHING
 - EXISTING BASE MOUNTED LIGHT
 - EXISTING STAKE MOUNTED LIGHT
 - EXISTING STAKE MOUNTED THRESHOLD LIGHT




BY		REVISION		DATE	
<p>OLNEY-NOBLE AIRPORT OLNEY, ILLINOIS RICHLAND COUNTY</p>					
<p>PROJ.: 3-17-0076-B7 A.I.P. PROJ.: 3-17-0076-B7 I.L. PROJ.: OLY-3428</p>					
ME Project No. 820-05RWY Filename R-703PNP.DGN Scale 1" = 50' Date 05/06/2005		LAYOUT MEW 05/06/05 DRAWN MEW 05/06/05 REVIEWED CAH 05/13/05		<p>Hanson Professional Services Inc. 1525 South Sixth Street Springfield, IL 62760-2688 Offices Nationwide</p>	
<p>REHABILITATE RUNWAY 3-21 PROPOSED PLAN & PROFILE STA. 38+00.00 TO STA. 49+05.89</p>					
<p style="font-size: 2em; font-weight: bold;">7</p> 7 of 36 sheets					

05/16/2005, 10:28 AM MEW

BY	
REVISION	
DATE	

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY
 A.I.P. PROJ.: 3-17-0076-B7
 ILL. PROJ.: OLY-3438

FILE PROJECT NO.	820-05RWY
FILE NUMBER	R-501DET.DGN
SCALE	NO. SCALE
DATE	05/06/2005
LAYOUT	MEW 05/13/05
DRAWN	MEW 05/13/05
REVIEWED	CAH 05/13/05



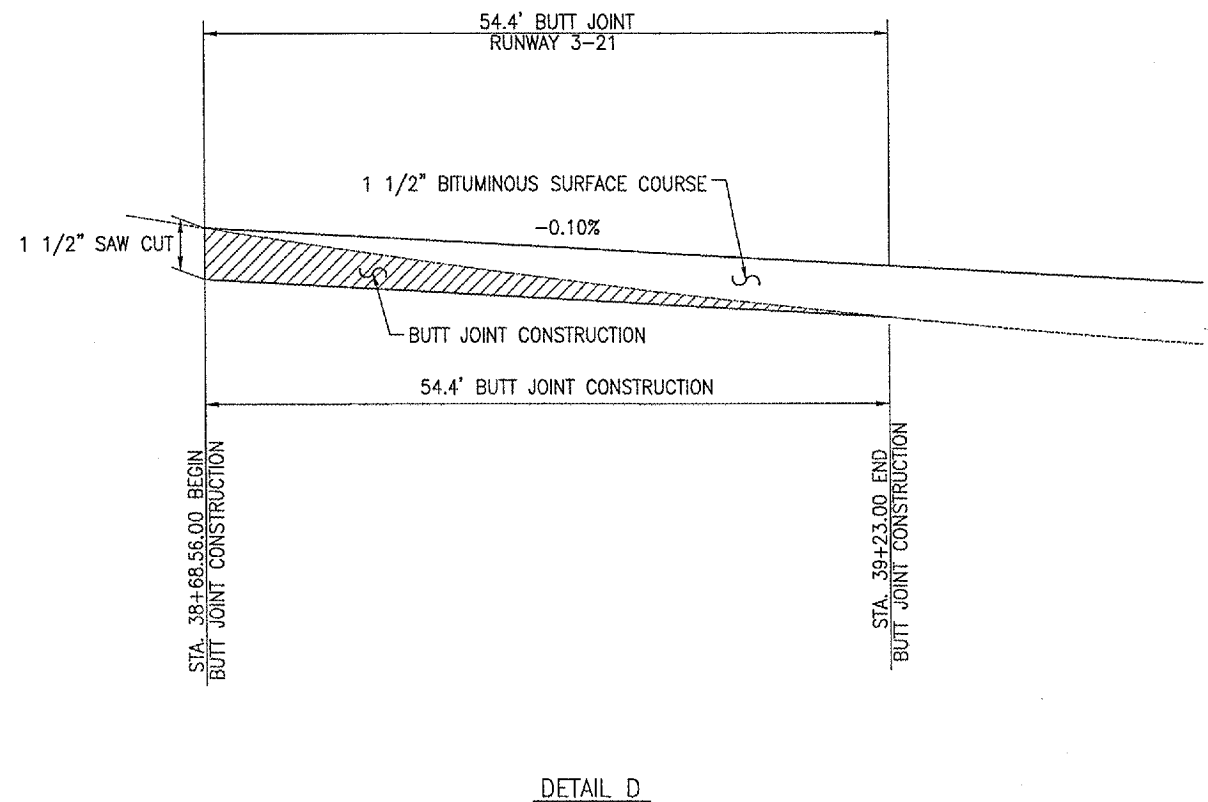
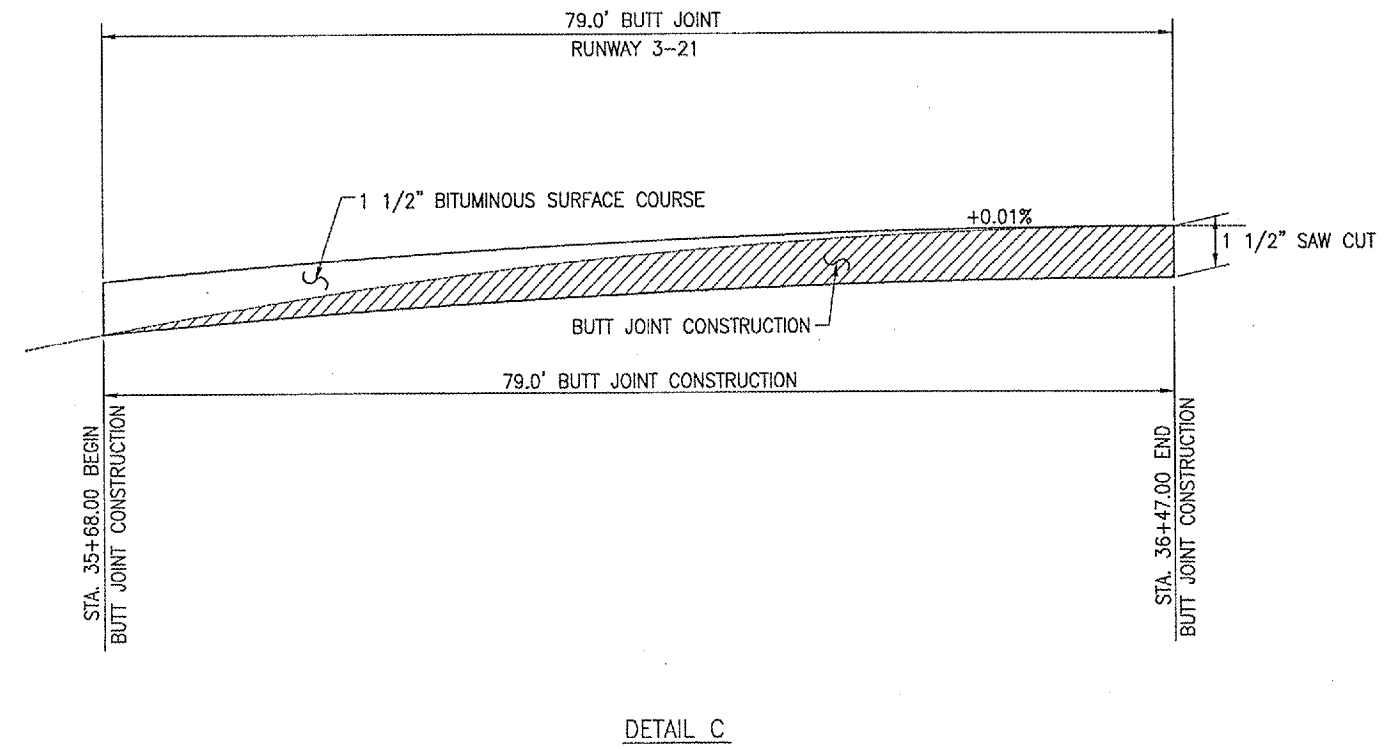
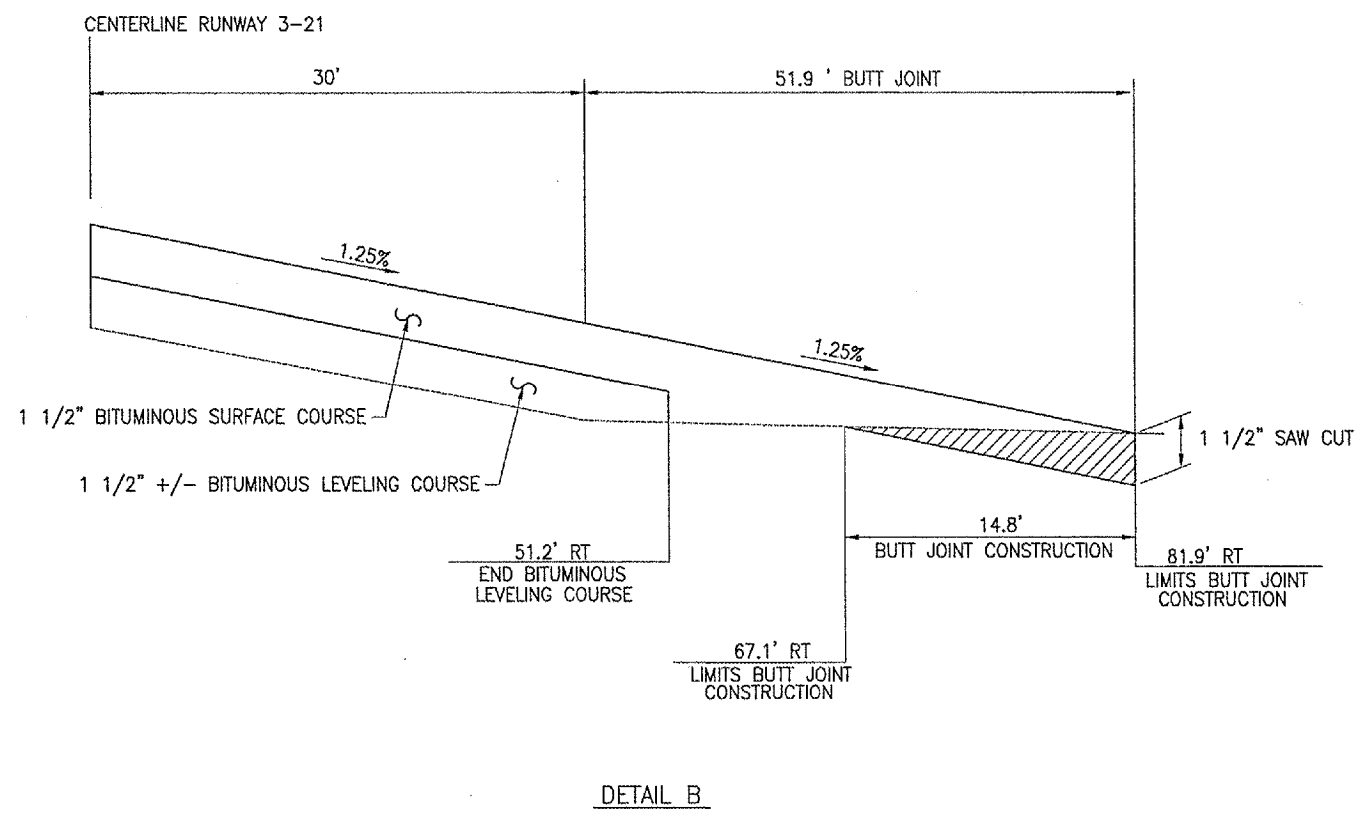
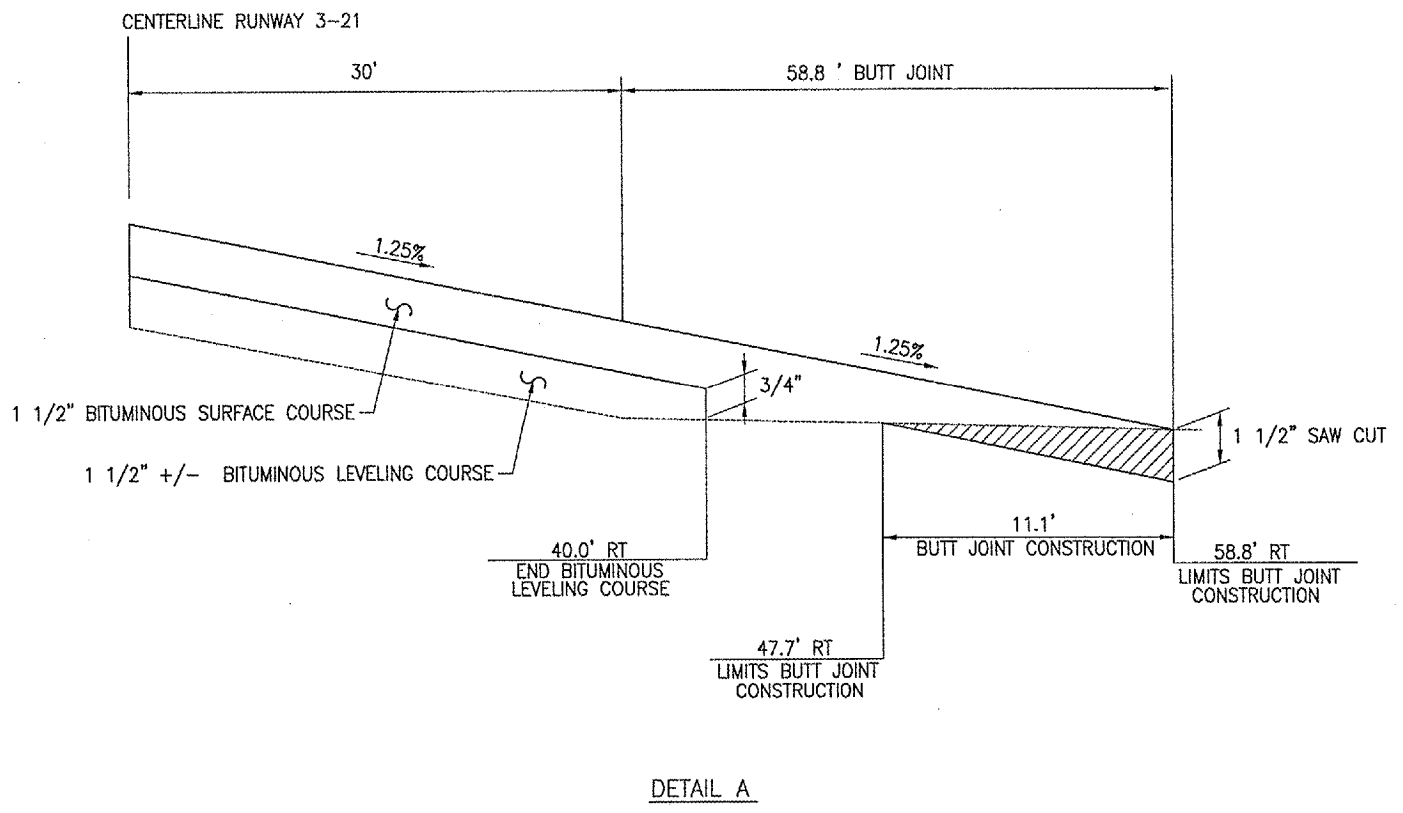
Hanson Professional Services Inc.
 4227 North City Street, Suite 130
 St. Louis, MO 63045-3808
 Offices Nationwide

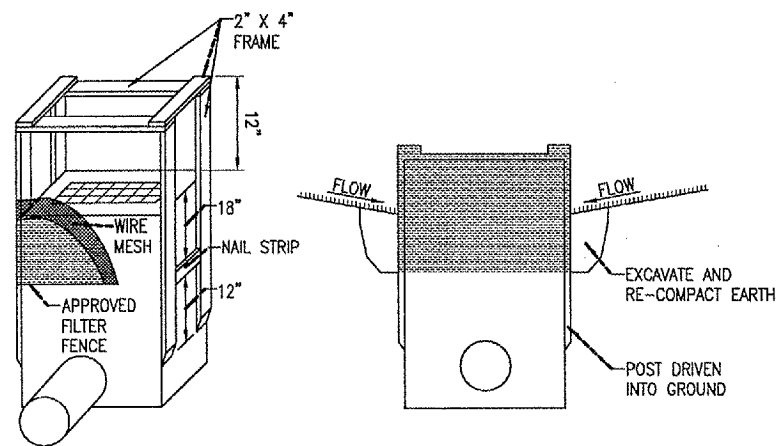
REHABILITATE
 RUNWAY 3-21
 PROPOSED
 BUTT JOINT CONSTRUCTION
 DETAIL

MEW

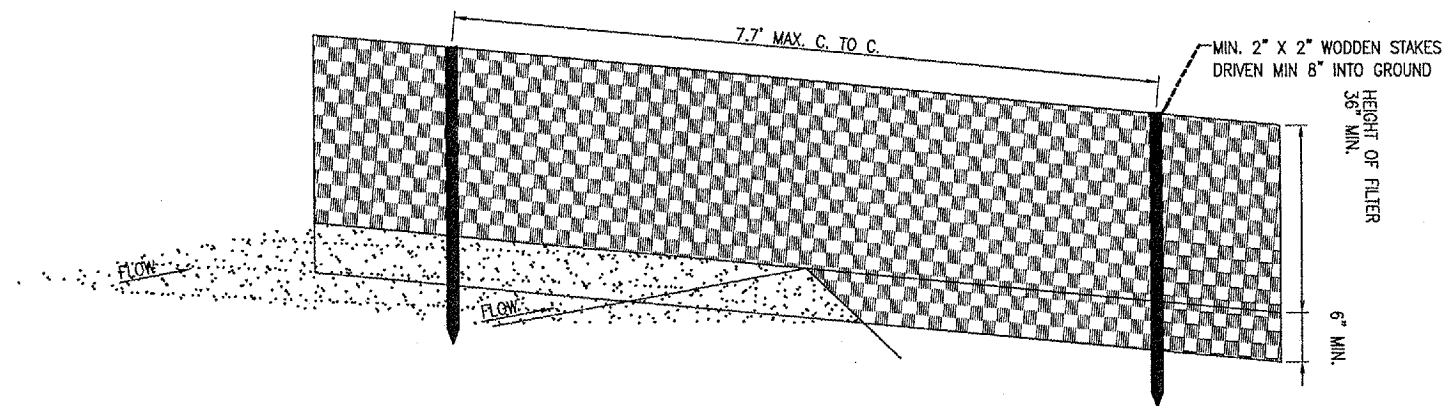
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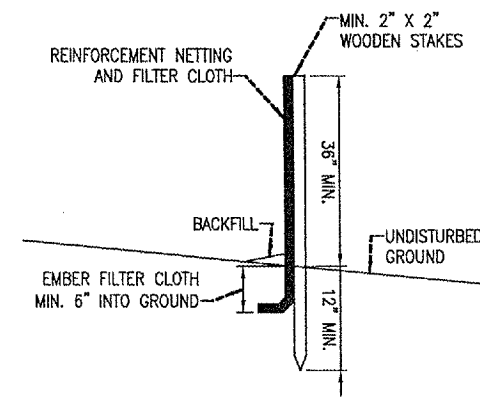


INLET PROTECTION DETAIL
"NOT TO SCALE"



PERSPECTIVE VIEW

FILTER FENCE DETAIL
"NOT TO SCALE"



SECTION

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REVISION	DATE	BY

OLNEY-NOBLE AIRPORT
OLNEY, ILLINOIS
RICHLAND COUNTY
A.I.P. PROJ.: 3-17-0076-B7
IL. PROJ.: OLY-3438

HEL. Project No. 820-05RWY	MEW	05/13/05
File Name R-502DET.DGN	MEW	05/13/05
No. SCALE	CAH	05/13/05
Date 05/06/2005		
LAYOUT		
DRAWN		
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REHABILITATE
RUNWAY 3-21
PROPOSED
EROSION CONTROL
DETAIL

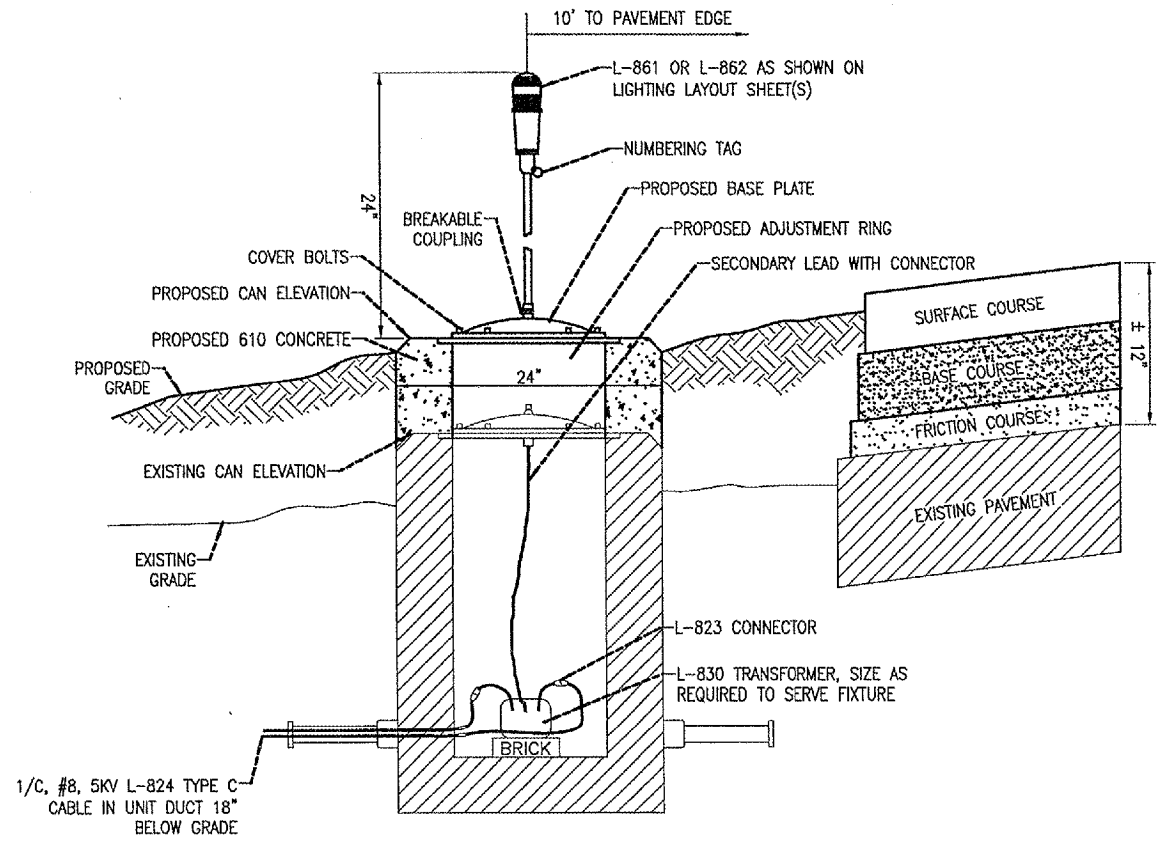
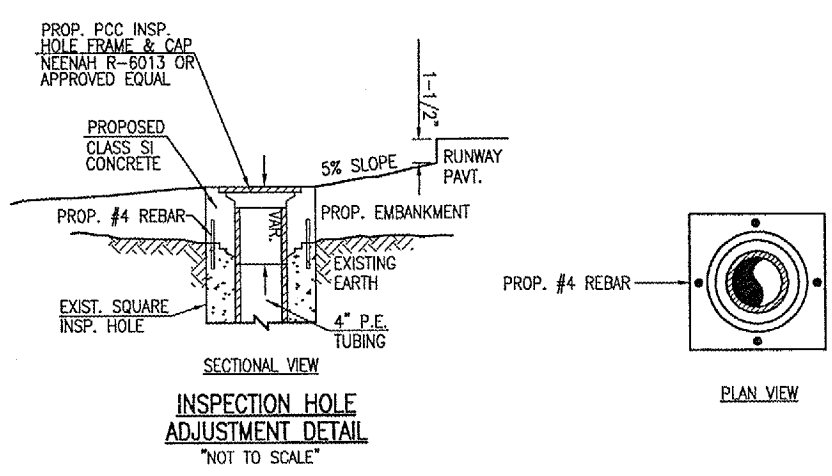
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OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

HEL Project No. 820-05RWY	File Name R-503DET.DGN	Scale NO SCALE	Date 05/06/2005
LAYOUT	MEW	05/13/05	05/13/05
DRAWN	MEW	05/13/05	05/13/05
REVIEWED	CAH	05/13/05	05/13/05

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REHABILITATE
 RUNWAY 3-21
 PROPOSED
 LIGHT ADJUSTMENT
 DETAIL



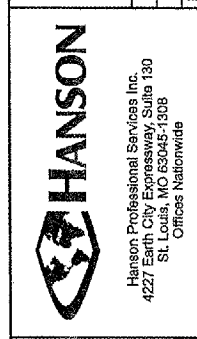
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BY	
REVISION	
DATE	

OLNEY-NOBLE AIRPORT
OLNEY, ILLINOIS
RICHLAND COUNTY

A.I.P. PROJ.: 3-17-0076-B7
ILL. PROJ.: OLY-3438

HEL Project No. 820-05RWY	
Filename R-704NOT.DGN	
Scale 1" = 50'	
Date 05/06/2005	
LAYOUT	MEW 05/12/05
DRAWN	MEW 05/12/05
REVIEWED	JAC 05/13/05



REHABILITATE
RUNWAY 3-21

PROPOSED
GENERAL NOTES

AR401610 BITUMINOUS SURFACE COURSE - METHOD 1

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

THIS ITEM OF WORK SHALL CONSIST OF CONSTRUCTING TWO LIFTS OF BITUMINOUS SURFACE COURSE (AVERAGE 1 1/2 INCH DEPTH EACH) ON THE EXISTING BITUMINOUS PAVEMENT.

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

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

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

401-4.9 ADD THE FOLLOWING TO THIS SECTION:

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

401-4.12 ADD THE FOLLOWING TO THIS PARAGRAPH:

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

THE BITUMINOUS SURFACE COURSE WILL BE PAID FOR UNDER THE FOLLOWING ITEMS:

- ARAR401610 "BITUMINOUS SURFACE COURSE" 2,283 TN
- ARAR401620 "BITUMINOUS SURFACE COURSE, LEVELING" 2,411 TN

BITUMINOUS TACK COAT NOTES

PRIOR TO TACK PLACEMENT EDGES OF PAVEMENT SHALL BE BLADED TO REMOVE 500 OVERGROWTH.

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 AN APPLICATION OF A BITUMINOUS TACK COAT. AN APPLICATION RATE OF 0.25 GALLONS PER SQUARE YARD FOR THE POROUS FRICTION COURSE AND 1ST LIFT OF BITUMINOUS SURFACE COURSE WAS USED FOR CALCULATING THE QUANTITY OF TACK COAT FOR THIS APPLICATION. THE EXACT AMOUNT OF BITUMINOUS TACK COAT TO BE USED SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

AT THE DISCRETION OF THE ENGINEER, AN APPLICATION OF BITUMINOUS TACK MAY BE SPRAYED BEFORE THE PLACEMENT OF THE SECOND LIFT OF BITUMINOUS SURFACE COURSE. THE PLAN QUANTITY IS BASED ON AN APPLICATION RATE OF 0.15 GALLONS PER SQUARE YARD FOR THE SECOND LIFT OF BITUMINOUS SURFACE COURSE. THE ACTUAL APPLICATION RATE WILL BE DETERMINED BY THE RESIDENT ENGINEER.

BUTT JOINT CONSTRUCTION

THE AREA DESIGNATED AS ON PLAN & PROFILE SHEETS WILL BE CUT OR TRIMMED AS SHOWN ON 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. THE DEPTH OF MILLING WILL BE 0.35FT AT THE BUTT END AND TAPER TO 0.00FT AT THE OTHER END OF THE AREA TO BE MILLED.

DURING THE MILLING OPERATIONS, IF A SATISFACTORY EDGE IS NOT ACHIEVED AT THE BUTT JOINT THE EDGE WILL REQUIRE A SAWCUT. THIS SAWING WILL BE CONSIDERED AS AN INCIDENTAL ITEM, AND SHALL BE INCLUDED IN THE COST OF BUTT JOINT CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL MILLED MATERIAL WILL BE DISPOSED OF 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: AR401655 "BUTT JOINT CONSTRUCTION" 2,699 SQ. YDS.

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 PROPOSED POROUS FRICTION COURSE WILL BE PAID FOR UNDER ITEM: AR402622 "POROUS FRICTION COURSE, 0.10" 20,723 S.Y.

CLEANING AND SEALING BITUMINOUS CRACKS

THE PAVEMENT CONDITIONS AND CRACKS WERE IDENTIFIED DURING A SURVEY OF THE EXISTING RUNWAY. 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.

ALL CLEANING AND SEALING OF BITUMINOUS CRACKS SHALL BE PAID FOR UNDER ITEM: AR201661 "CLEANING & SEALING BITUMINOUS CRACKS" 5,000 L.F.

SEEDING DATA

THE GRADING LIMITS ARE SHOWN ON THE CONSTRUCTION PLAN SHEETS ALL AREAS WITHIN THESE LIMITS, EXCEPT THE PROPOSED PAVEMENT, SHALL BE LIMED, FERTILIZED AND SEEDED IN ACCORDANCE WITH THE FOLLOWING FORMULA AND RATES OF APPLICATION.

LIME (TONS PER ACRE)	2
FERTILIZER (MINIMUM POUNDS OF AVAILABLE PLANT FOOD PER ACRE)	
N	90
P ₂ O ₅	350
K ₂ O	240
TOTAL	680

SEEDING (MINIMUM POUNDS OF PURE LIVE SEED PER ACRE)

ALTA FESCUE	80
PERENNIAL RYEGRASS	30
CREeping RED FESCUE	20
SPRING OATS	48
AREA TO BE SEEDED	5.0 ACRES
DATE SEEDING COMPLETED	

MULCHING DATA

ALL EARTHEN AREAS WITHIN THE GRADING LIMITS WILL BE MULCHED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS. HYDROMULCH WILL BE USED EXCLUSIVELY AT THE RATE OF 1.25 TONS PER ACRE. AREA TO BE MULCHED 5.0 ACRES. DATE MULCHING COMPLETED

EROSION CONTROL NOTES

ALL PROPOSED EROSION CONTROL MEASURES SHALL BE COMPLETED AS DETAILED ON THE EROSION CONTROL DETAIL SHEET AND IN ACCORDANCE WITH THE SUPPLEMENTAL SPECIFICATIONS.

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

THE PROPOSED INLET PROTECTION WILL BE PLACED AT THE LOCATION SHOWN ON THE PLAN AND PROFILE SHEETS 5, 6, & 7.

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 AS SHOWN ON SHEETS 5, 6, & 7.

LIGHT ADJUSTMENT

ALL EXISTING LIGHTS ARE MEDIUM INTENSITY STAKE AND BASE MOUNTED LIGHTS.

AFTER THE EARTH FILLETS RUNWAY HAVE BEEN PLACED, THE CONTRACTOR WILL RESET THE EXISTING LIGHTS TO THE FINISHED GRADE. THE ADJUSTED LIGHTS WILL BE LOCATED AND POSITIONED AS SHOWN ON THE PLAN AND PROFILE SHEETS 5, 6, & 7 AND ADJUSTED AS DETAIL ON THE LIGHT ADJUSTMENT DETAIL SHEET.

THE CONTRACTOR WILL BE RESPONSIBLE FOR MARKING LOCATIONS OF THE EXISTING LIGHTS SO THE LIGHTS CAN BE REPLACED IN THEIR ORIGINAL POSITIONS.

WHILE ADJUSTING THE LIGHTS THE CONTRACTOR WILL NOT STRETCH THE ELECTRICAL CABLE. THE EXISTING CABLE WILL BE DUG UP A SUFFICIENT DISTANCE TO ALLOW FOR PROPER INSTALLATION OF THE ADJUSTED LIGHTS. NORMAL ONE (1) FOOT CABLE LOOPS WILL BE LEFT IN EACH CABLE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS.

THE LIGHT ADJUSTMENT WILL BE PAID FOR UNDER:
ITEM AR125941 "ADJUST STAKE MOUNTED LIGHT 46 EACH"
ITEM AR125942 "ADJUST BASE MOUNTED LIGHT 8 EACH"

EXISTING AIRPORT LIGHTING

ANY DAMAGE TO THE EXISTING RUNWAY, TAXIWAY OR THRESHOLD LIGHTING SYSTEMS DURING ANY PORTION OF THE PROJECT WILL BE CORRECTED AT THE CONTRACTOR'S OWN EXPENSE.

THE CONTRACTOR MAY, AT HIS OWN EXPENSE, REMOVE THE RUNWAY THRESHOLD LIGHTS FOR THEIR PAVING OPERATIONS. THE LIGHTS WILL BE REPLACED AND OPERATIONAL AT THE END OF THE PAVING OPERATIONS BEFORE THE RUNWAY IS OPENED.

EARTH FILLETS

EARTH FILLETS WILL BE CONSTRUCTED ADJACENT TO ALL PAVEMENT OVERLAY AREAS. THE EARTH FILLETS ARE SHOWN ON THE CROSS-SECTIONS AND THE PROPOSED CONSTRUCTION PLAN SHEETS AS THE PROPOSED GRADING, SEEDING AND MULCHING LIMITS. A 1-1/2 INCH DROP SHALL BE MAINTAINED FROM THE PAVEMENT EDGE TO THE EARTH SHOULDER. 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 MATERIAL FOR THE PROPOSED EARTH FILLETS WILL BE PAID FOR UNDER: ITEM AR905520 "TOPSOIL (FROM OFF SITE)" PER C.Y.

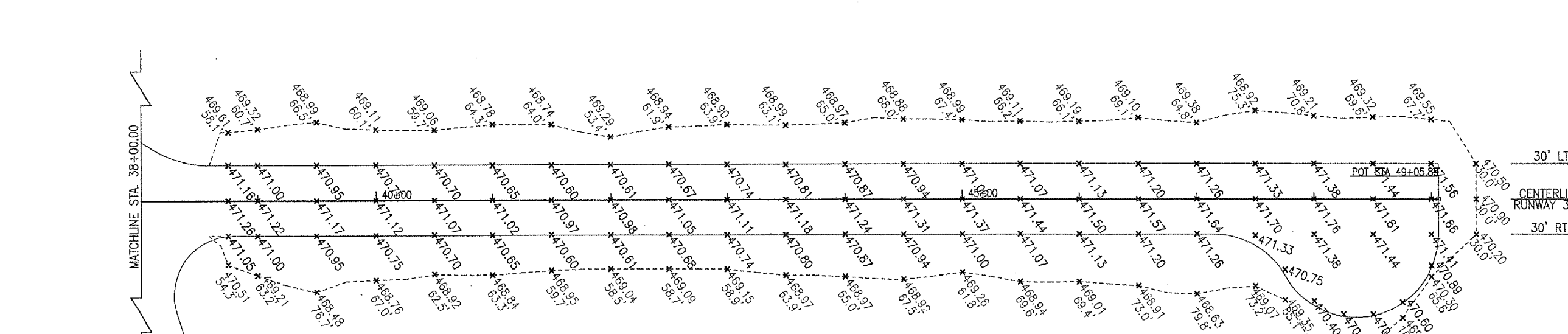
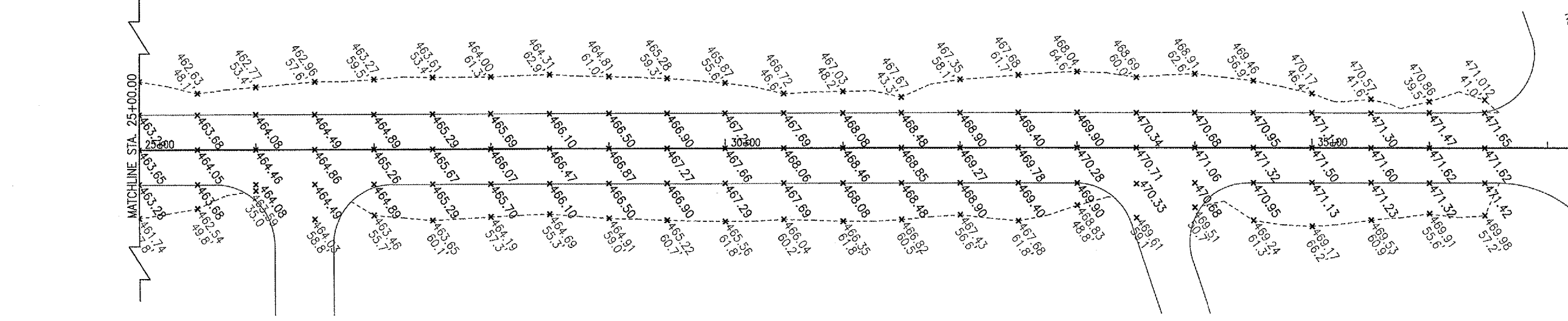
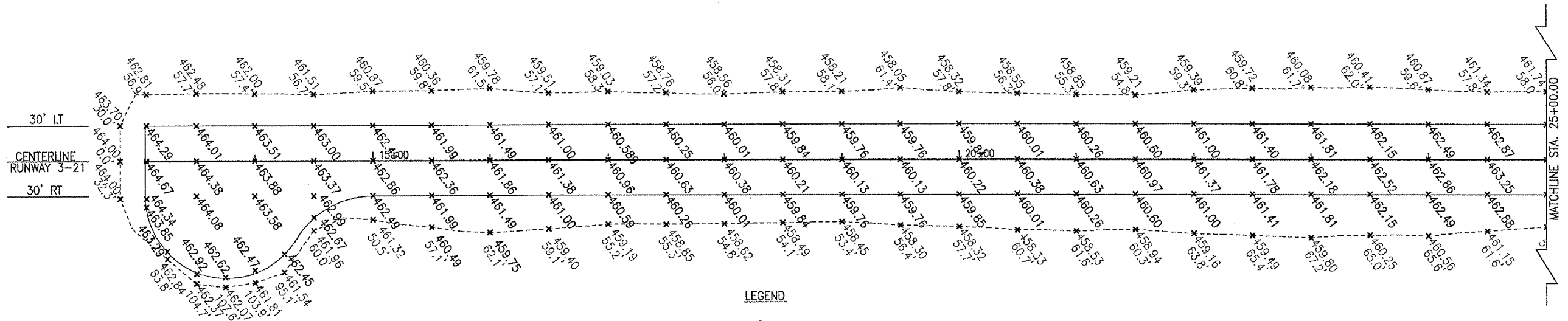
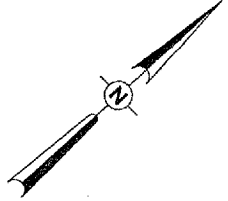
PROPOSED STAGING PLAN

1. PLACE PFC UP TO +/- 70FT OF THE MILLING LIMITS.
2. CLOSE RUNWAY 11-29.
3. ROTO-MILL PAVEMENT AREAS AS SHOWN ON PLAN AND PROFILE SHEETS.
4. PLACE PFC IN THE MILLED AREAS AND ON THE REMAINING 3-21 PAVEMENT.
5. PAVE 1ST LIFT OF BITUMINOUS SURFACE COURSE FROM THE SAWCUT OUT TO +/- 50FT BEYOND THE 11-29 CLOSURE LIMITS.
6. OPEN RUNWAY 11-29 AND PAVE 1ST LIFT OF BITUMINOUS SURFACE COURSE ON THE REST OF RUNWAY 3-21.
7. CLOSE RUNWAY 11-29.
8. PAVE BITUMINOUS SURFACE COURSE FROM THE SAWCUT TO +/- 30FT BEYOND THE 11-29 CLOSURE LIMITS.
9. OPEN RUNWAY 11-29.

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.

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LEGEND

- x 400.0 PROPOSED ELEVATION
- x 400.0 EXISTING ELEVATION

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

REVISION	DATE	BY

OLNEY-NOBLE AIRPORT
OLNEY, ILLINOIS
RICHLAND COUNTY

A.I.P. PROJ.: OLY-3438 A.I.P. PROJ.: 3-17-0076-B7

HEL District No. B20-05RWY	MEW	05/06/05
Fluoroma R-191STK.DGN	MEW	05/06/05
Scale 1" = 50'	CAH	05/13/05
Date 05/06/2005		

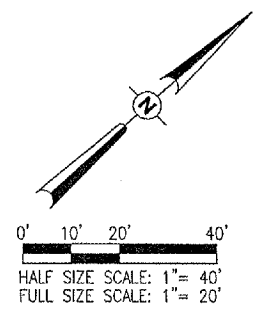


REHABILITATE RUNWAY 3-21
PROPOSED STAKING PLAN
 STA. 13+07.00 TO STA. 49+05.89

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DATE	REVISION	BY

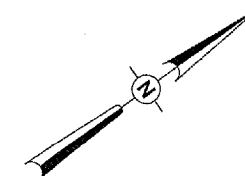
OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

IL PROJ.: OLY-3438 A.I.P. PROJ.: 3-17-0076-B7

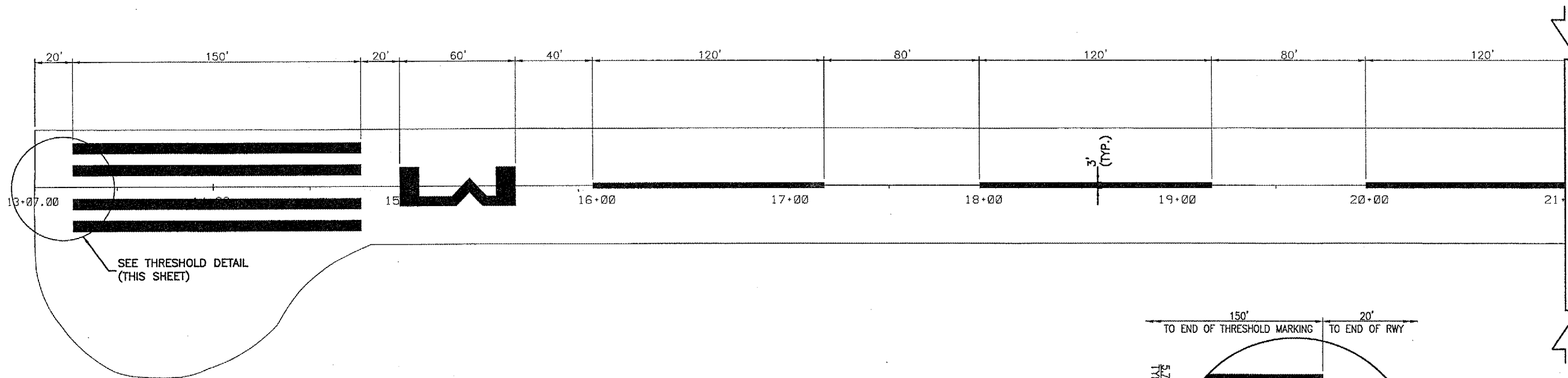
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Scale 1" = 20'	Date 05/12/2005
LAYOUT MEW 05/12/05	DRAWN MEW 05/12/05
REVIEWED CAH 05/13/05	

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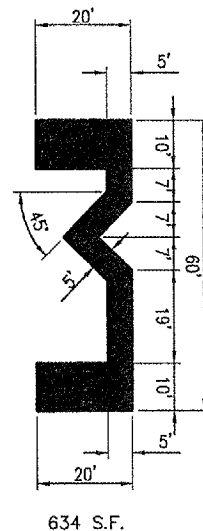
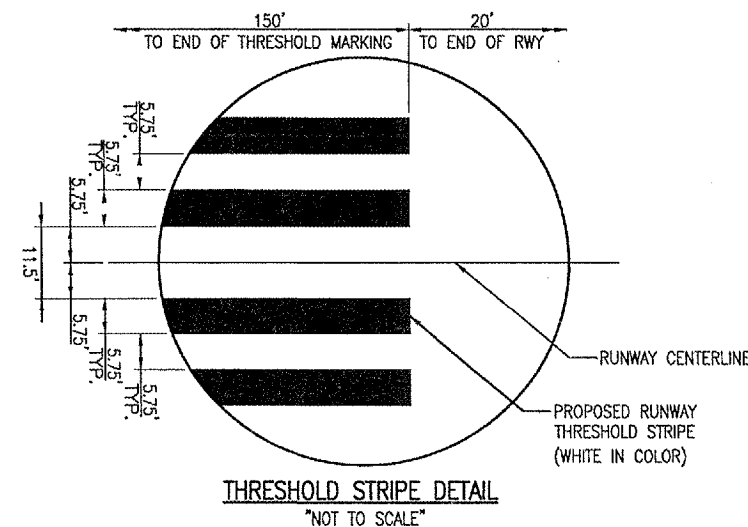
REHABILITATE
 RUNWAY 3/21
 PROPOSES RUNWAY
 INTERSECTION STAKING PLAN
 STA. 34+50 TO STA. 40+00



0' 15' 30' 60'
 HALF SIZE SCALE: 1" = 60'
 FULL SIZE SCALE: 1" = 30'



SEE THRESHOLD DETAIL
(THIS SHEET)



RUNWAY NUMERAL DIMENSIONING NOTES:

ALL RUNWAY MARKING WILL BE WHITE IN COLOR AND WILL BE APPLIED WITH TWO COATS OF REFLECTIVE MEDIA IN ACCORDANCE WITH THE SPECIFICATIONS.

ALL NUMERALS HORIZONTALLY SPACED 15 FEET APART.

ALL DIMENSIONS ARE EXPRESSED IN INCREMENTS OF FEET.

SINGLE DIGIT NUMERAL DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE.

DOUBLE DIGIT NUMERAL DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE BASED ON THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS.

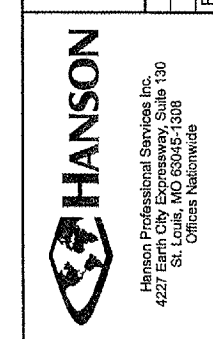
CUT-OFF SHEETS WILL BE REQUIRED TO INSURE STRAIGHT EDGES.

MARKING QUANTITIES			
DESCRIPTION	UNIT AREA	NO. REQUIRED	TOTAL AREA
CENTERLINE STRIP (SOLID)			
120' LENGTH	360	14	5040
125' LENGTH	375	1	375
130' LENGTH	390	1	390
NUMBER 3 (SOLID)	634	1	634
NUMBER 2 (SOLID)	652	1	652
NUMBER 1 (SOLID)	318	1	318
THRESHOLD (SOLID)	862.5	4	3450
		TOTAL WHITE	10,859
HOLDING LINE (SOUTH TAXIWAY)	150	1	150
HOLDING LINE (NORTH TAXIWAY)	122	1	122
TAXIWAY CENTERLINE	1422	1	1,422
		TOTAL YELLOW	1,694
HOLDING LINE (SOUTH TAXIWAY)	250	1	250
HOLDING LINE (NORTH TAXIWAY)	198	1	198
		TOTAL BLACK	448
		TOTAL MARKING	13,001

REVISION	DATE	BY

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

HEB Project No. 820-05RWY	FLAVORING R-101MRK.DGN	Scale 1" = 30'	Date 02/03/05
LAYOUT JAC	02/03/05	DRAWN JAC	02/03/05
REVIEWED CAH	05/13/05	IL PROJ.: OLY-3438	A.I.P. PROJ.: 3-17-0076-B7

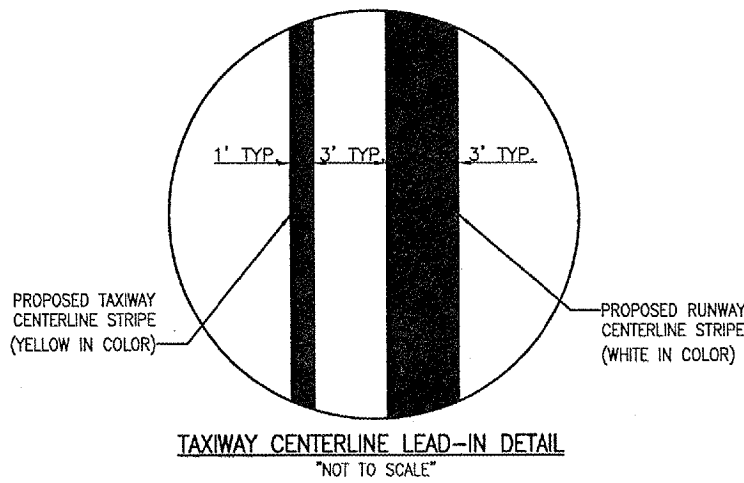
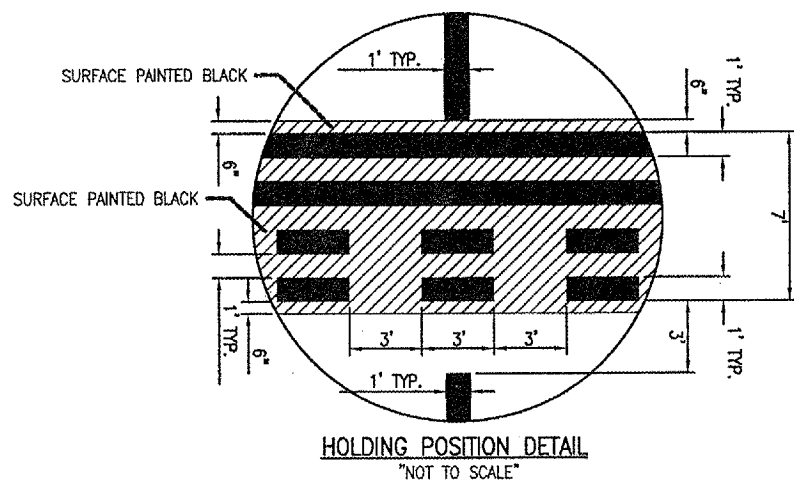
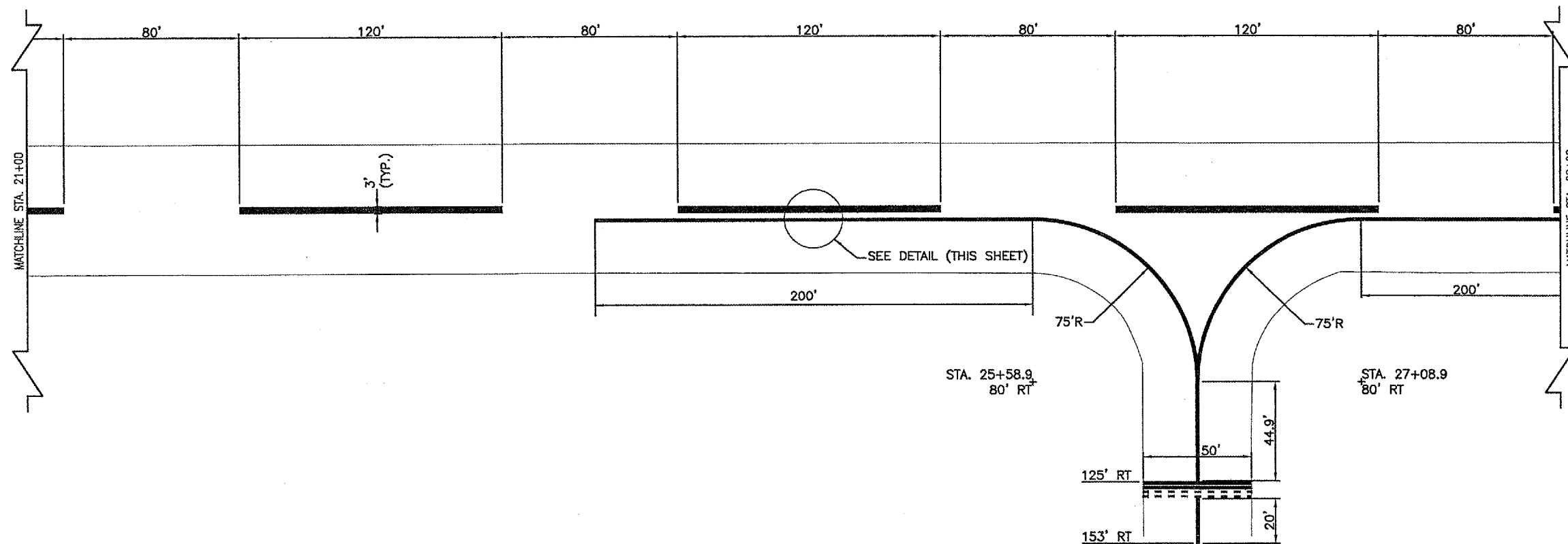
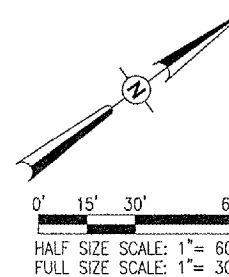


REHABILITATE RUNWAY 3/21
 PROPOSED MARKING PLAN
 STA. 13+07 TO STA. 21+00

mew

05/16/2005, 01:17 PM

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MARKING NOTES

ALL NORTH-SOUTH RUNWAY MARKING WILL BE WHITE IN COLOR AND SOLID. THE STRIPES WILL BE THREE (3') FOOT WIDE AND 120 FOOT LONG UNLESS OTHERWISE NOTED ON THE MARKING PLAN.

THE TAXIWAY CENTERLINE STRIPE AND HOLDING LINE WILL BE SOLID AND YELLOW IN COLOR. THE HOLDING LINE WILL BE AS SPECIFIED IN THE DETAIL SHOWN ON THIS SHEET.

ALL PROPOSED MARKING WILL BE LOCATED AS SHOWN ON THE MARKING PLAN SHEETS. ALL PROPOSED MARKING WILL BE APPLIED WITH A REFLECTIVE MEDIA IN ACCORDANCE WITH THE SPECIFICATIONS.

ALL PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:
AR620520 "PAVEMENT MARKING-WATERBORNE" 13,001 SQ. FT.

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

mew

05/16/2005 10:32 AM

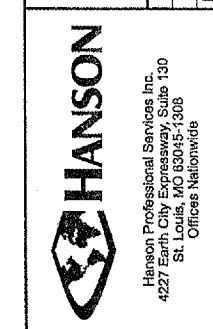
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BY	
REVISION	
DATE	

OLNEY-NOBLE AIRPORT
OLNEY, ILLINOIS
RICHLAND COUNTY

ILL. PROJ.: OLY-3438 A.I.P. PROJ.: 3-17-0076-B7

Project No.	820-05RWY
Filename	R-101MRK.DGN
Scale	1" = 30'
Date	02/03/05
LAYOUT	JAC 02/03/05
DRAWN	JAC 02/03/05
REVIEWED	CAH 05/13/05



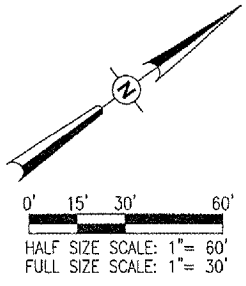
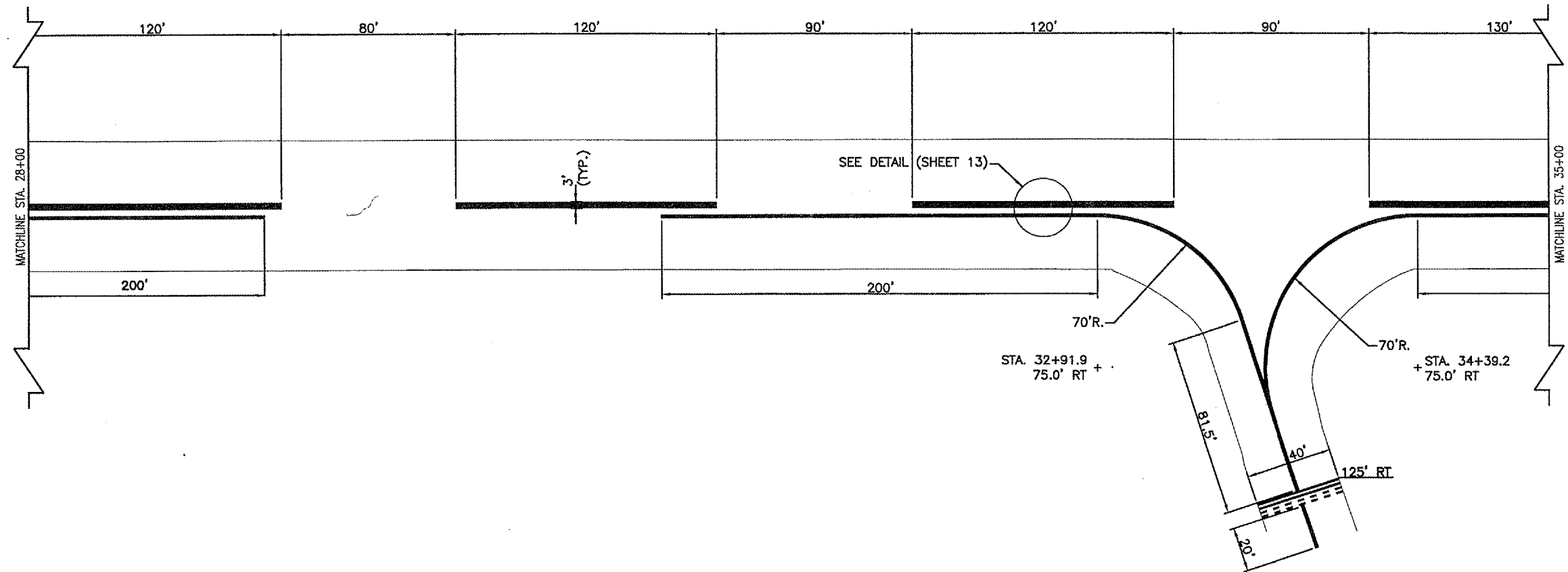
REHABILITATE
RUNWAY 3/21

PROPOSED
MARKING PLAN
STA. 21+00 TO STA. 28+00

mew

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OL006

DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

IL. PROJ.: OLY-3438 A.I.P. PROJ.: 3-17-0076-B7

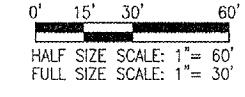
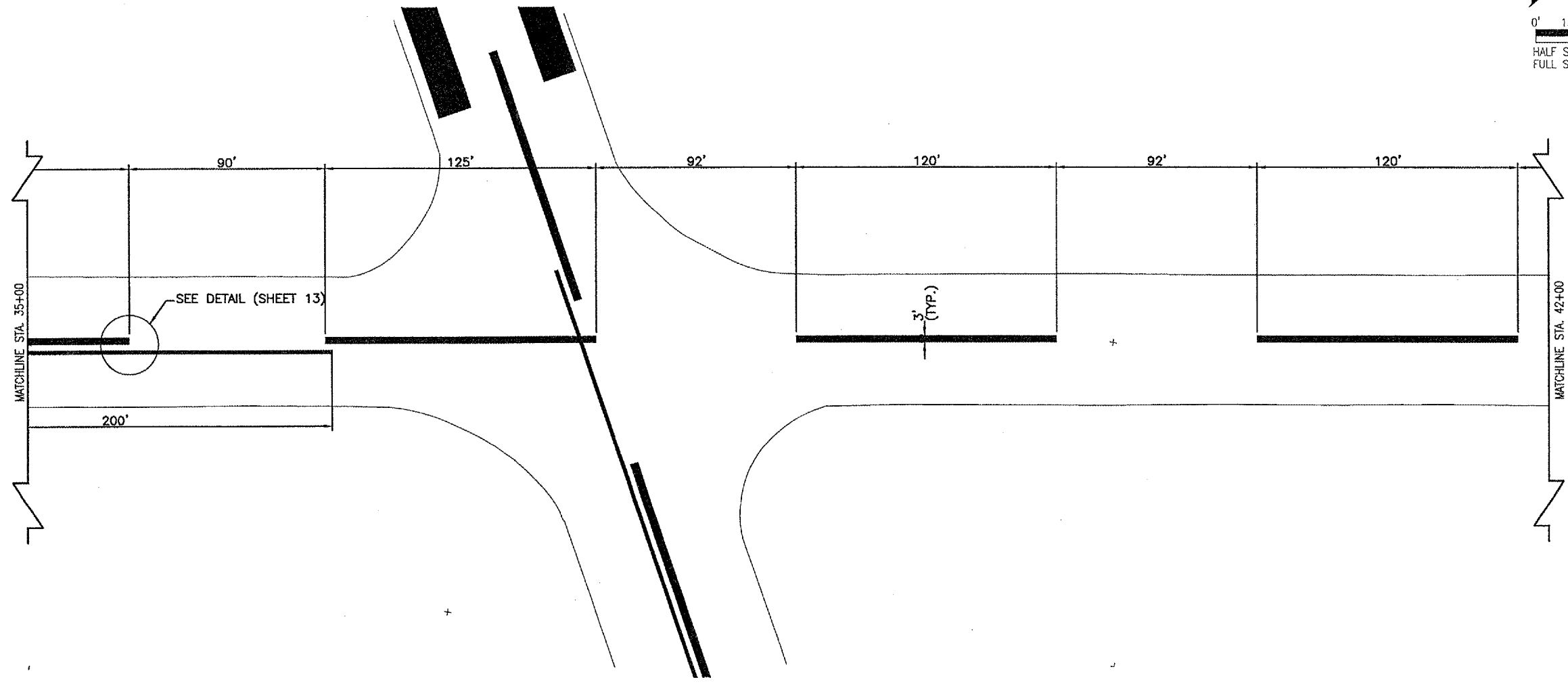
HB. Project No. B20-05RW R-101.MRK.DGN	
Scale	1" = 30'
Date	02/03/05
LAYOUT	JAC 02/03/05
DRAWN	JAC 02/03/05
REVIEWED	CAH 05/13/05



HANSON
 Hanson Professional Services Inc.
 4227 Easton City Expressway, Suite 130
 St. Louis, MO 63045-1308
 Offices Nationwide

REHABILITATE
 RUNWAY 3/21

PROPOSED
 MARKING PLAN
 STA. 28+00 TO STA. 35+00




OL006

DATE	REVISION	BY

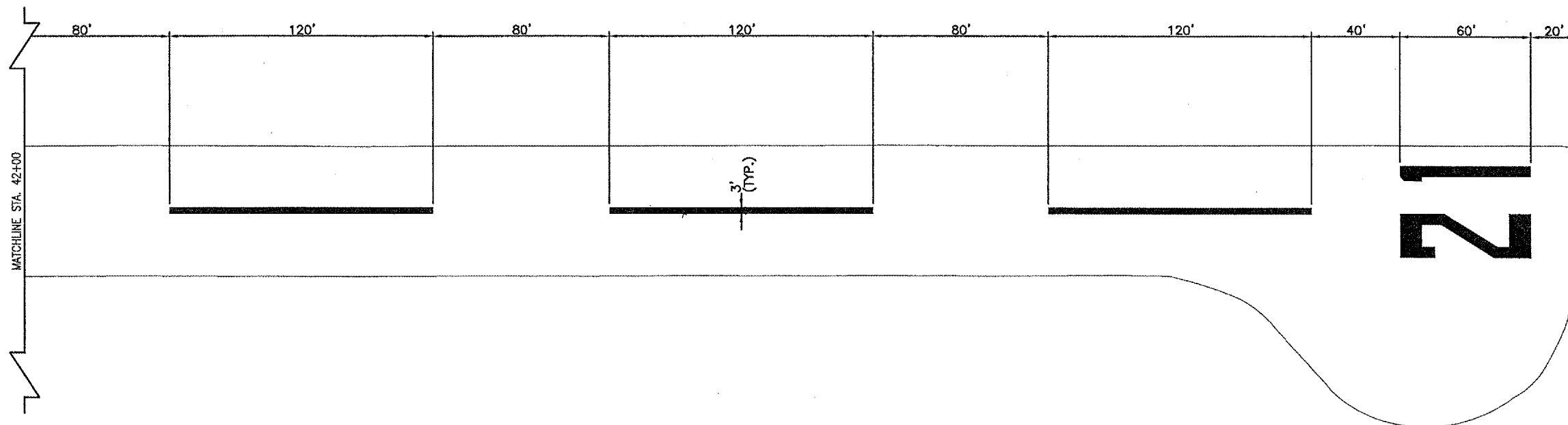
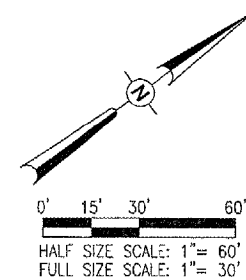
OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY
 ILL. PROJ.: OLY-3438 A.I.P. PROJ.: 3-17-0076-B7

HD Project No. B20-05RWY Filename R-101MRK.DGN Scale 1" = 30' Date 02/03/05	
LAYOUT	JAC 02/03/05
DRAWN	JAC 02/03/05
REVIEWED	CAH 05/13/05



Hanson Professional Services Inc.
 4227 Tech Centerway, Suite 100
 St. Louis, MO 63045-4308
 Offices Nationwide

REHABILITATE
 RUNWAY 3/21
 PROPOSED
 MARKING PLAN
 STA. 35+00 TO STA. 42+00



RUNWAY NUMERAL DIMENSIONING NOTES:

ALL RUNWAY MARKING WILL BE WHITE IN COLOR AND WILL BE APPLIED WITH TWO COATS OF REFLECTIVE MEDIA IN ACCORDANCE WITH THE SPECIFICATIONS.

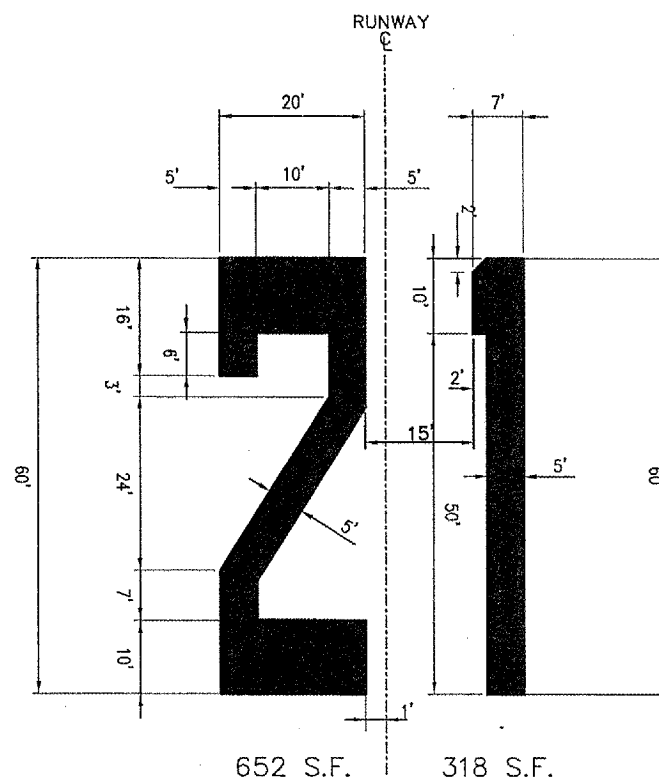
ALL NUMERALS HORIZONTALLY SPACED 15 FEET APART.

ALL DIMENSIONS ARE EXPRESSED IN INCREMENTS OF FEET.

SINGLE DIGIT NUMERAL DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE.

DOUBLE DIGIT NUMERAL DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE BASED ON THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS.

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



new

05\16\2005 01:29 PM

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DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
OLNEY, ILLINOIS
RICHLAND COUNTY

IL. PROJ.: OLY-3438 A.I.P. PROJ.: 3-17-0076-B7

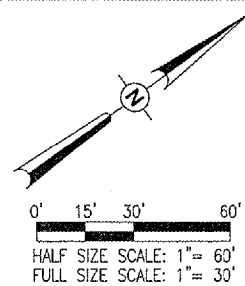
Heli Project No. B20-05RWY Filename R-101.MRK.DGN Scale 1" = 30' Date 02/03/05	LAYOUT JAC 02/03/05 DRAWN JAC 02/03/05 REVIEWED CAH 05/13/05
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HANSON
Hanson Professional Services Inc.
1000 City Center, Suite 130
St. Louis, MO 63102
Offices Nationwide

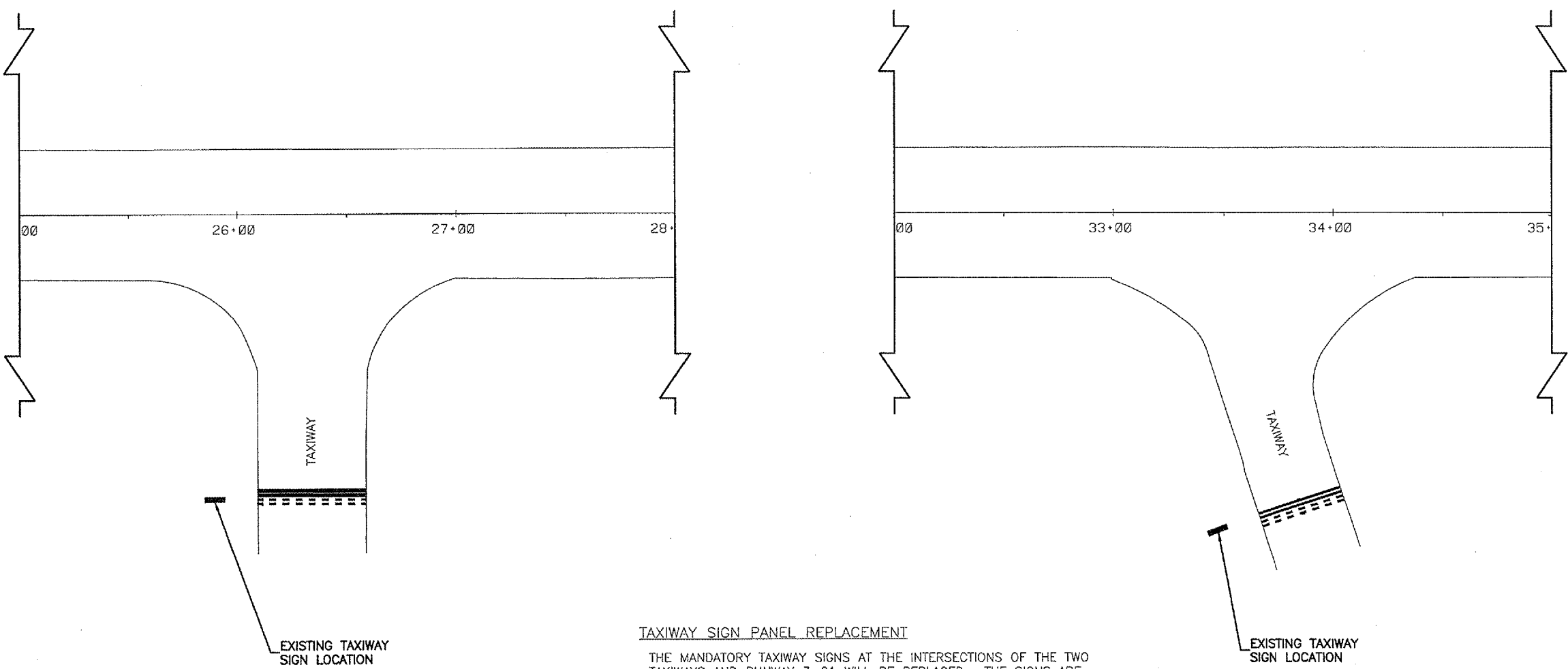
REHABILITATE
RUNWAY 3/21

PROPOSED
MARKING PLAN

STA. 42+00 TO STA. 49+05.89



OL006



TAXIWAY SIGN PANEL REPLACEMENT

THE MANDATORY TAXIWAY SIGNS AT THE INTERSECTIONS OF THE TWO TAXIWAYS AND RUNWAY 3-21 WILL BE REPLACED. THE SIGNS ARE BELIEVED TO BE MANUFACTURED BY LUMACURVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE MANUFACTURER OF THE SIGNS.

THIS ITEM WILL CONSIST OF REPLACING FOUR SIGN PANELS. TWO WILL BE SOLID BLACK. TWO OTHERS WILL HAVE A RED BACKGROUND WITH A WHITE BORDER AND THE RUNWAY DESIGNATION (3-21) IN WHITE LETTERING. STANDARDS FOR AIRPORT SIGN SYSTEMS WILL APPLY. THESE CAN BE FOUND IN ADVISORY CIRCULAR 150/5340-18D.

THIS ITEM WILL BE PAID FOR UNDER:
AR800530 TAXIWAY SIGN PANEL REPLACEMENT4 EACH

DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
OLNEY, ILLINOIS
RICHLAND COUNTY

IL PROJ.: OLY-3438 A.I.P. PROJ.: 3-17-0076-B7

HB Project No. 820-05RWY Drawing R-10TELEC-DGN Scale 1" = 30' Date 02/03/05	
LAYOUT	JAC 02/03/05
DRAWN	JAC 02/03/05
REVIEWED	CAH 05/13/05

HANSON

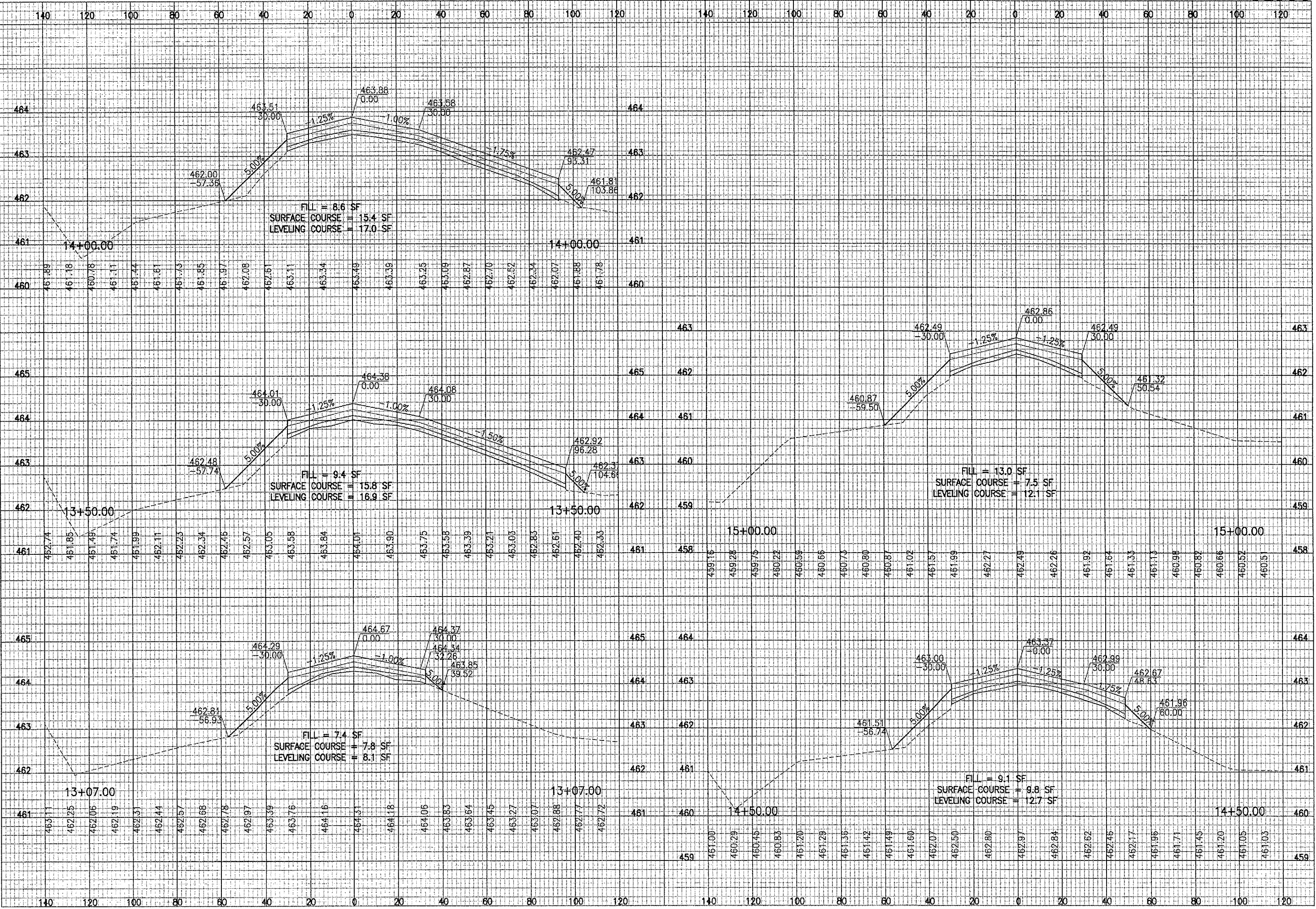
Hanson Professional Services Inc.
 4227 Earth City Expressway, Suite 130
 St. Louis, MO 63045-1306
 Offices Nationwide

REHABILITATE
RUNWAY 3/21

PROPOSED
 TAXIWAY SIGN
 PANEL REPLACEMENT

05/16/2005 10:33 AM MEW

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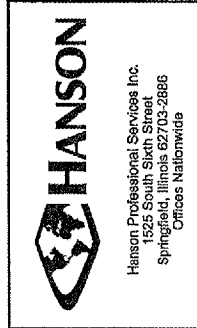
BY	REVISION	DATE

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

PROJECT: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

HEI Project No.	803-05AFND
File Name	R-301XS-321.DGN
Scale	1"=1'V 1"=20'H
Date	05/11/05

LAYOUT	MEW	05/07/05
DRAWN	MEW	05/07/05
REVIEWED	CAH	05/13/05



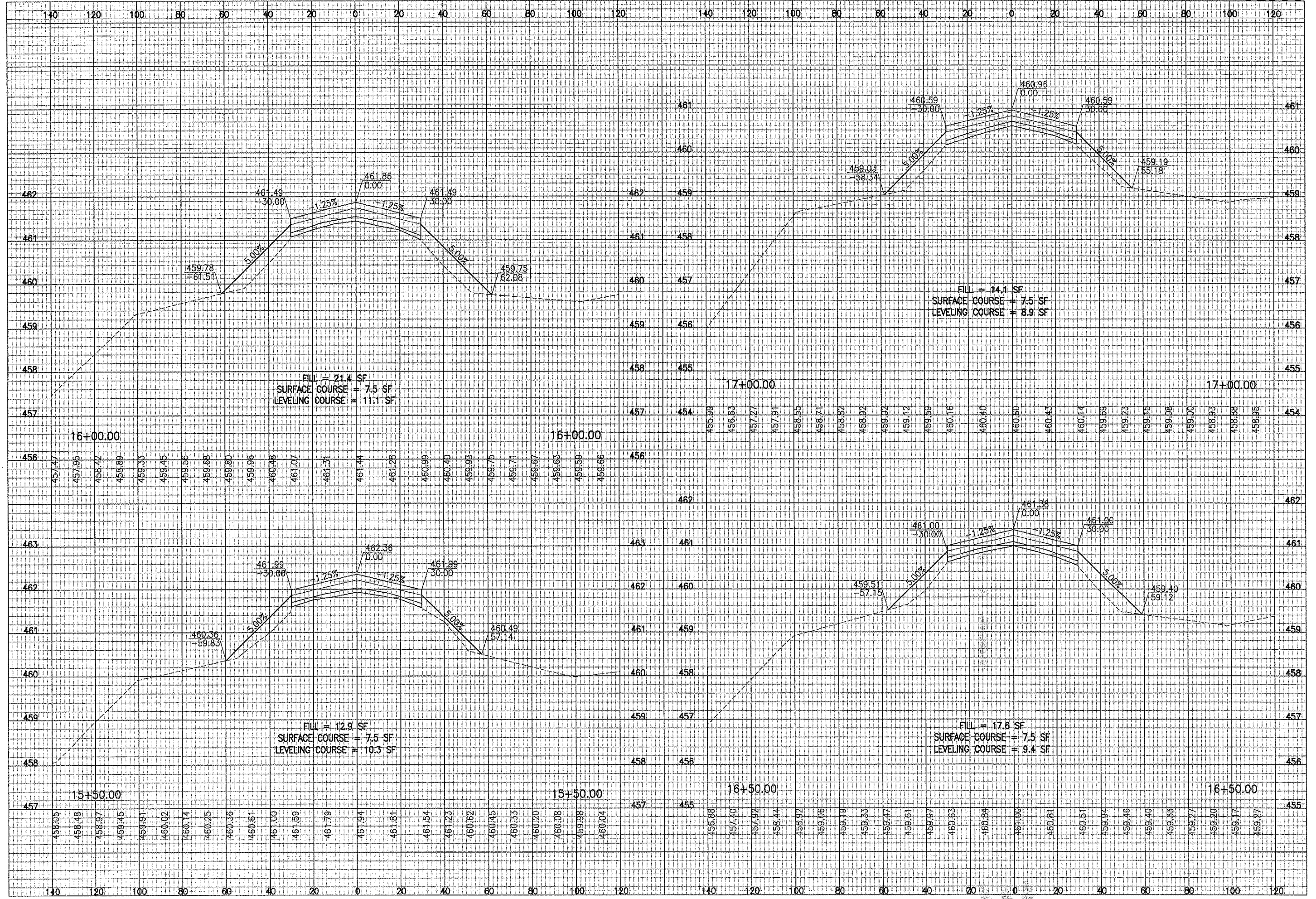
REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 13+07.00 TO STA. 15+00.00

05/16/2005 10:34 AM NEW

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BY	
REVISION	
DATE	

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

AL.P. PROJ.: 3-17-0076-B7
 ILL. PROJ.: OLY-3638

Proj. No.	803-054PND
Filename	R-301XS-321.DGN
Scale	1"=1' V 1"=20' H
Date	05/11/05
LAYOUT	MEW 05/07/05
DRAWN	MEW 05/07/05
REVIEWED	CAH 05/13/05

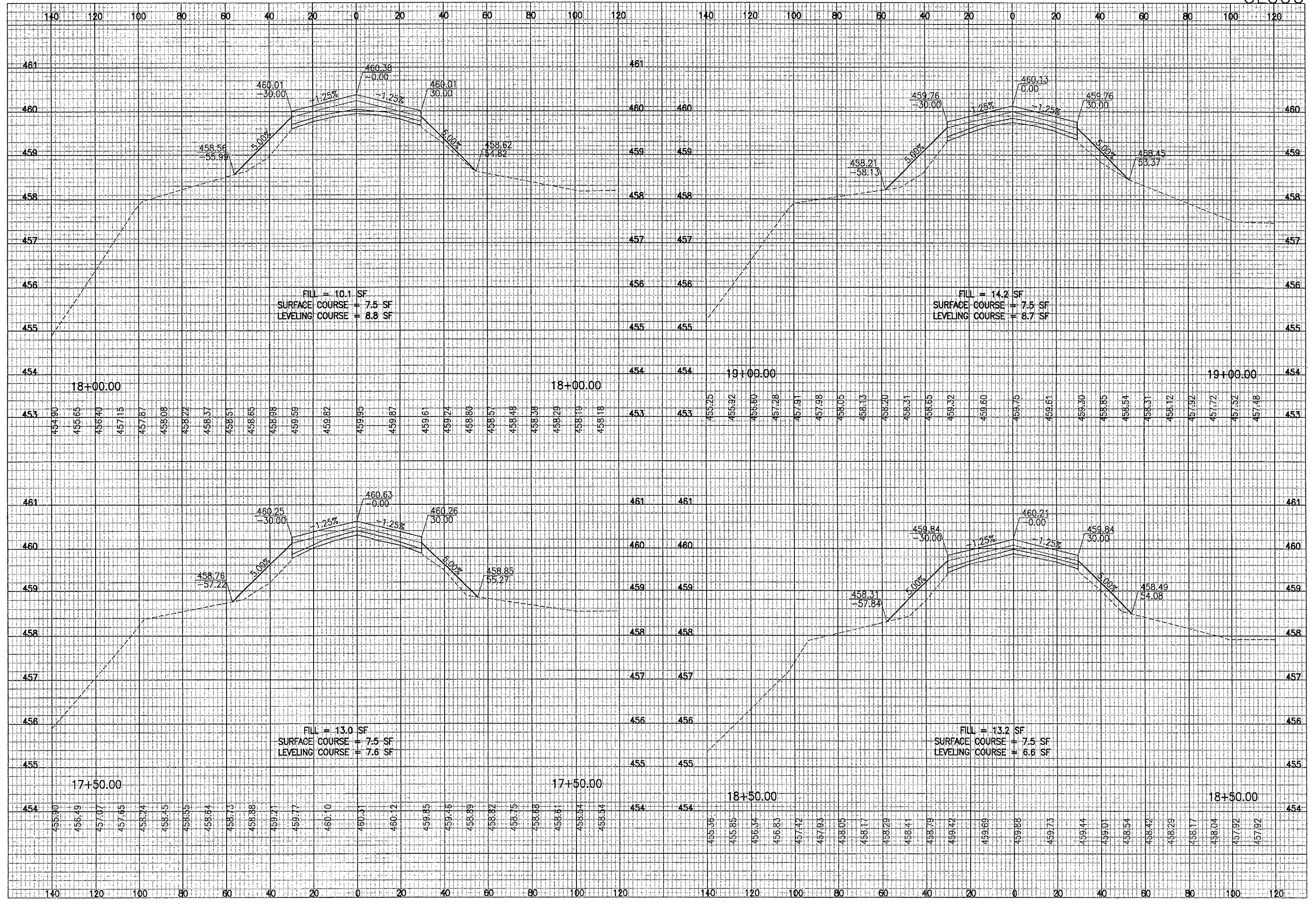


REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS

STA. 15+50.00 TO STA. 17+00.00

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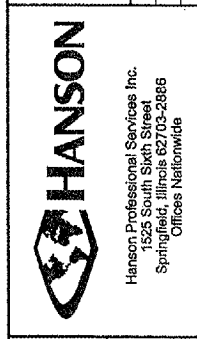
DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

IL PROJ.: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

DATE	REVIEWED	BY
05/11/05	CAH	
05/07/05	MEW	
05/07/05	MEW	

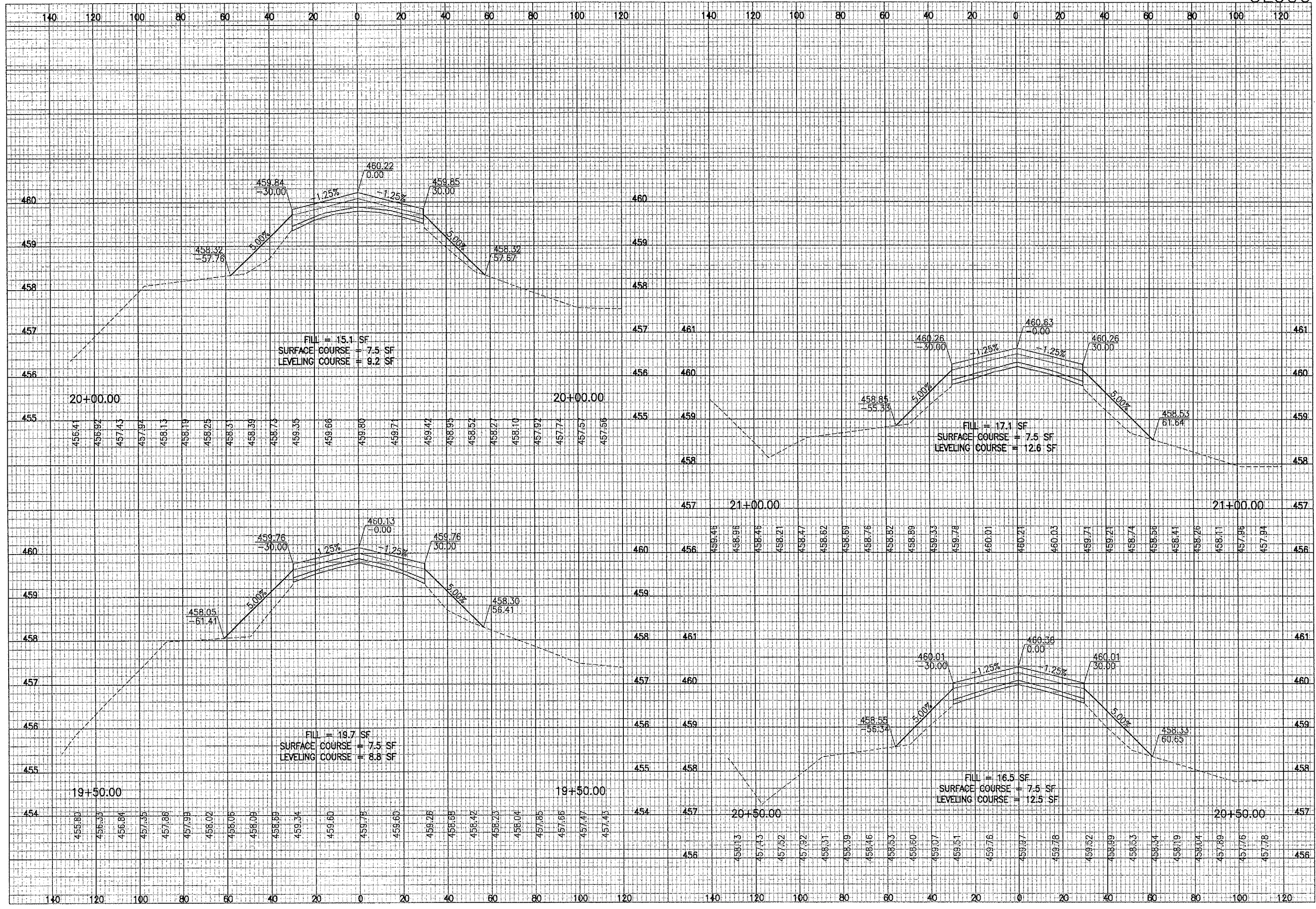
LAYOUT
 DRAWN
 REVIEWED



REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 17+50.00 TO STA. 19+00.00

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DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

IL PROJ.: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

HEI Project No.	803-05APND
Filename	R-301XS-321.DGN
Scale	1"=1' V, 1"=20' H
Date	05/11/05
LAYOUT	MEW 05/07/05
DRAWN	MEW 05/07/05
REVIEWED	CAH 05/13/05

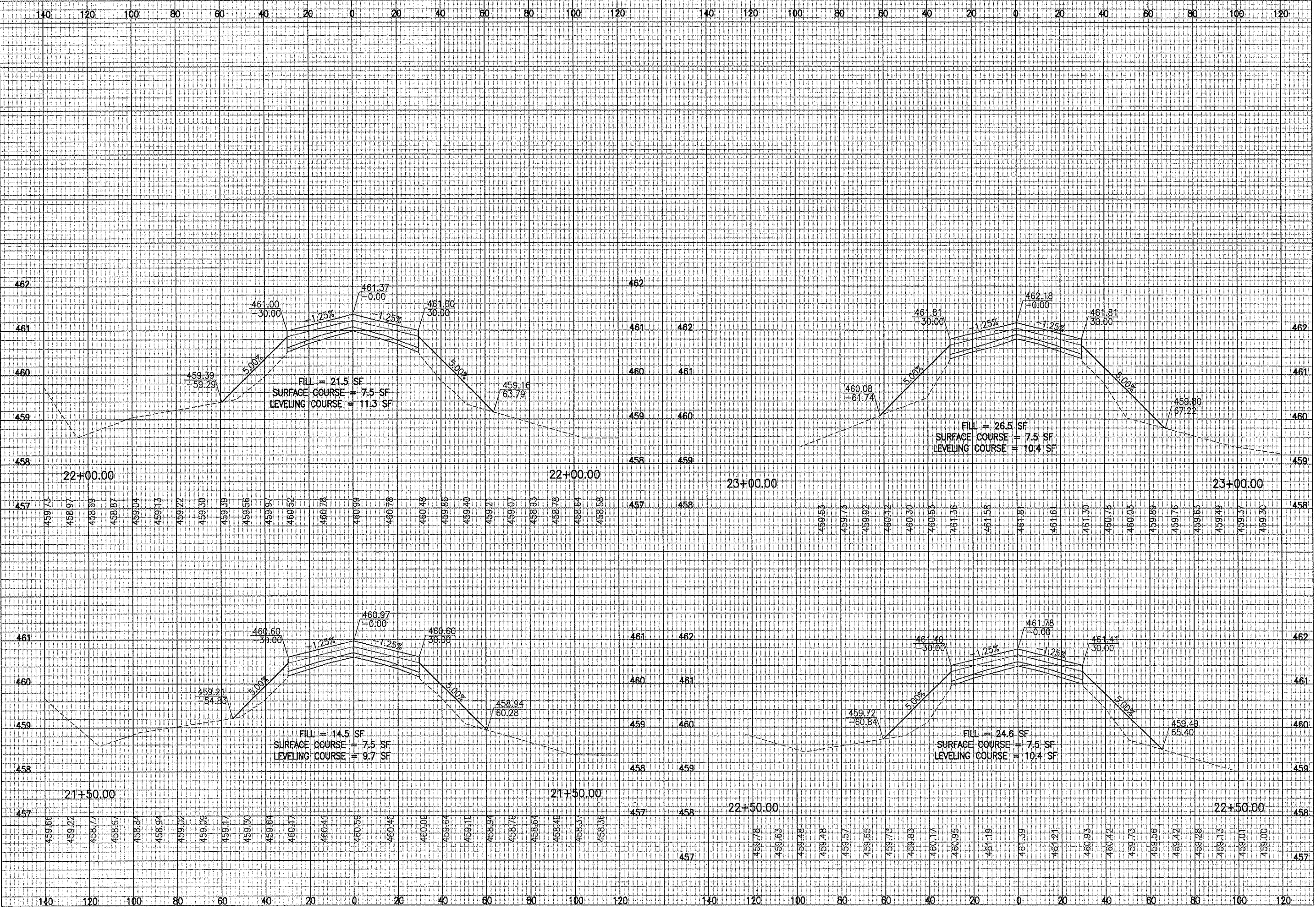


REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 19+50.00 TO STA. 21+00.00

05/16/2005 10:34 AM MEW

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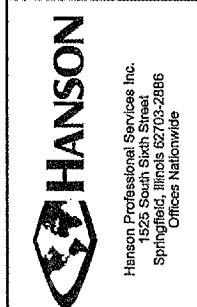


BY
REVISION
DATE

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

IL PROJ.: 01Y-3638 A.I.P. PROJ.: 3-17-0076-B7

803-05APND
R-301XS-321.DGN
1"=1' V, 1"=20' H
05/11/05
MEW 05/07/05
MEW 05/07/05
CAH 05/13/05

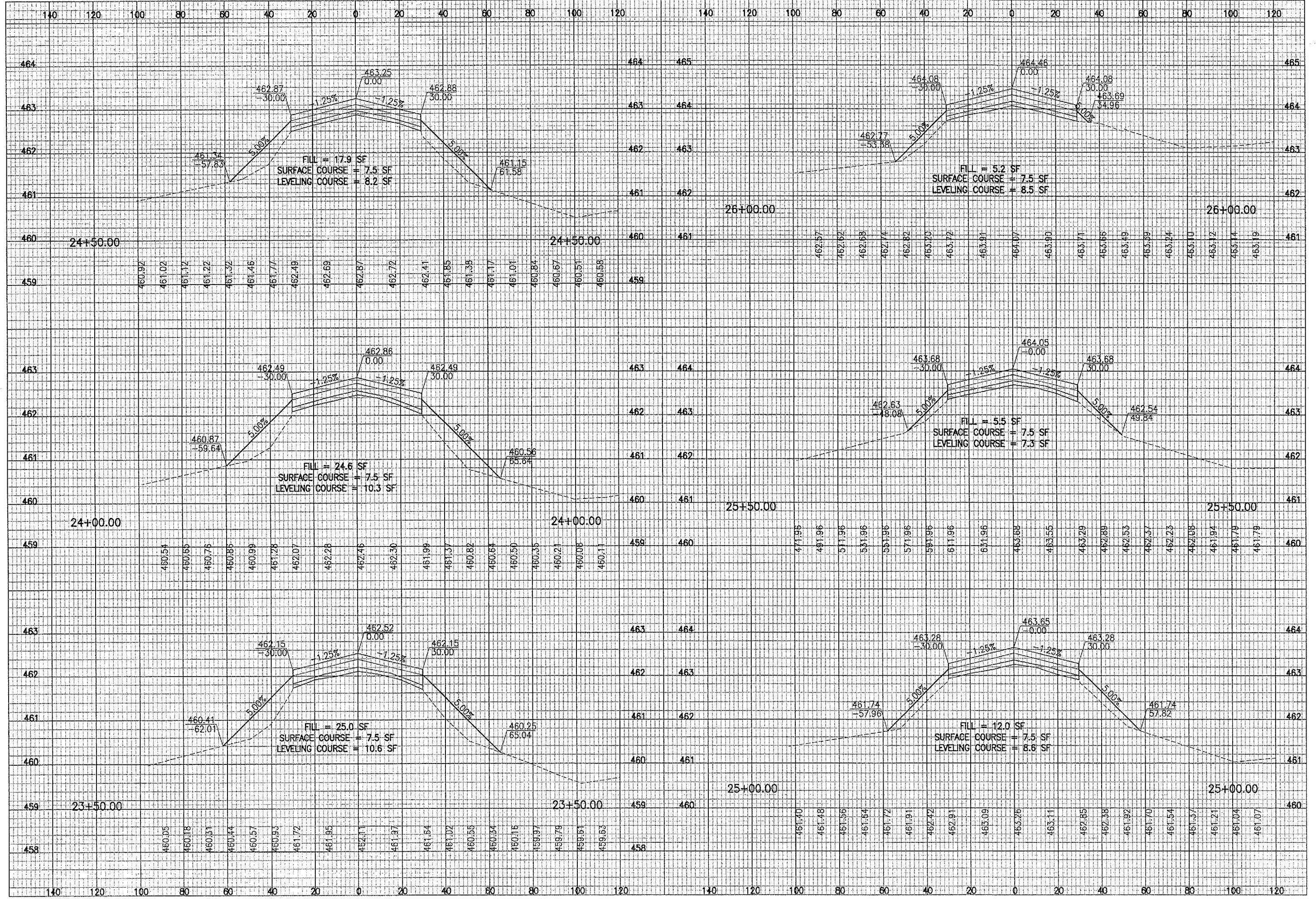


REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 21+50.00 TO STA. 23+00.00

05/16/2005, 10:35 AM MEW

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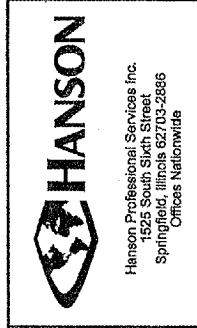
BY	REVISION	DATE

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

PROJECT: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

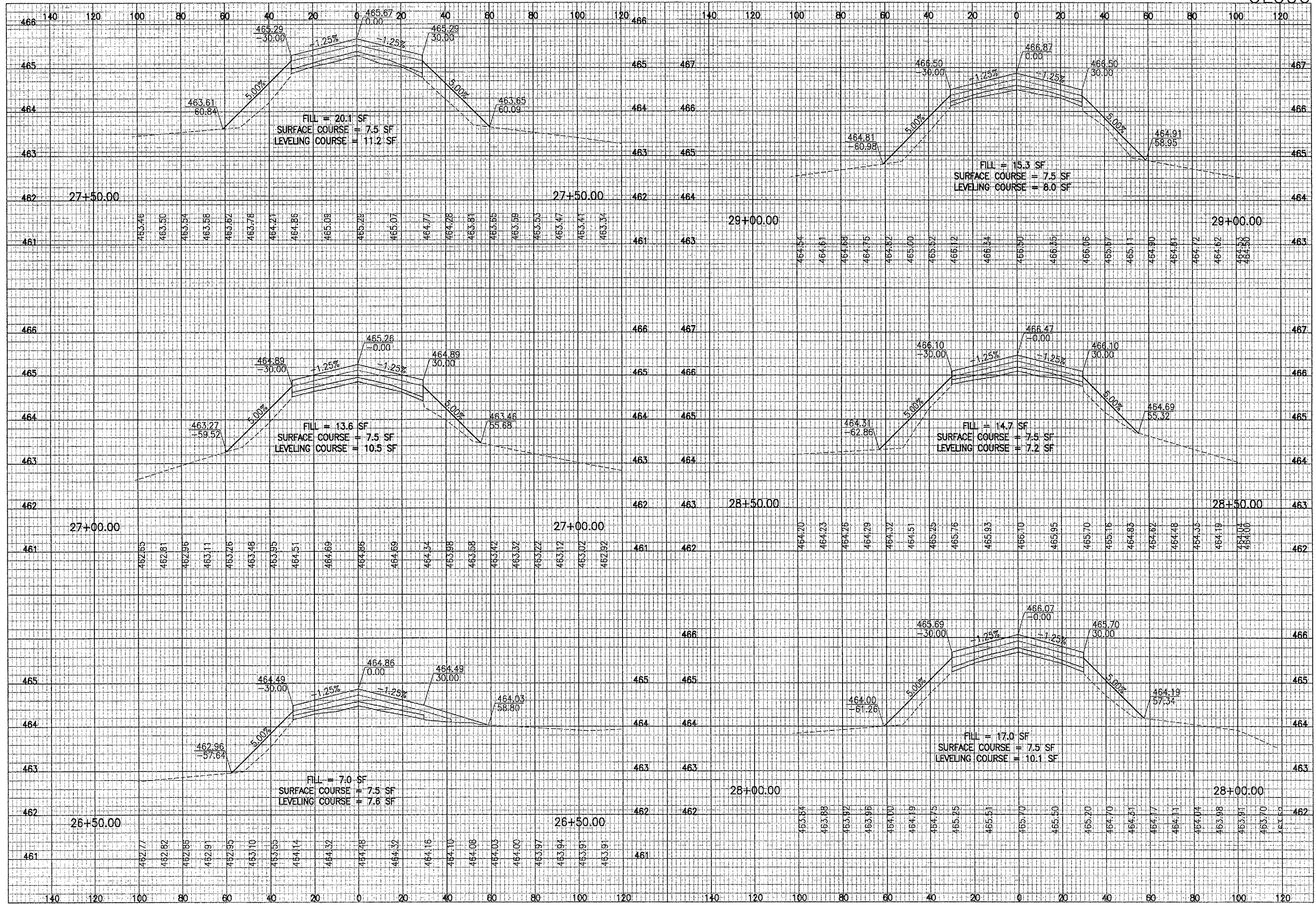
REVIEWED	DATE
MEW	05/07/05
MEW	05/07/05
CAH	05/13/05

803-054PND
 Filename: R-301.XS-321.DGN
 Scale: 1"=1' 1"=20'
 Date: 05/11/05



REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA 23+50.00 TO STA. 26+00.00

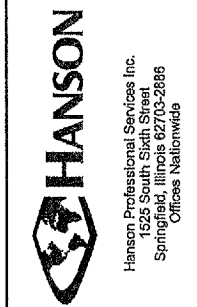


DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

IL PROJ.: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

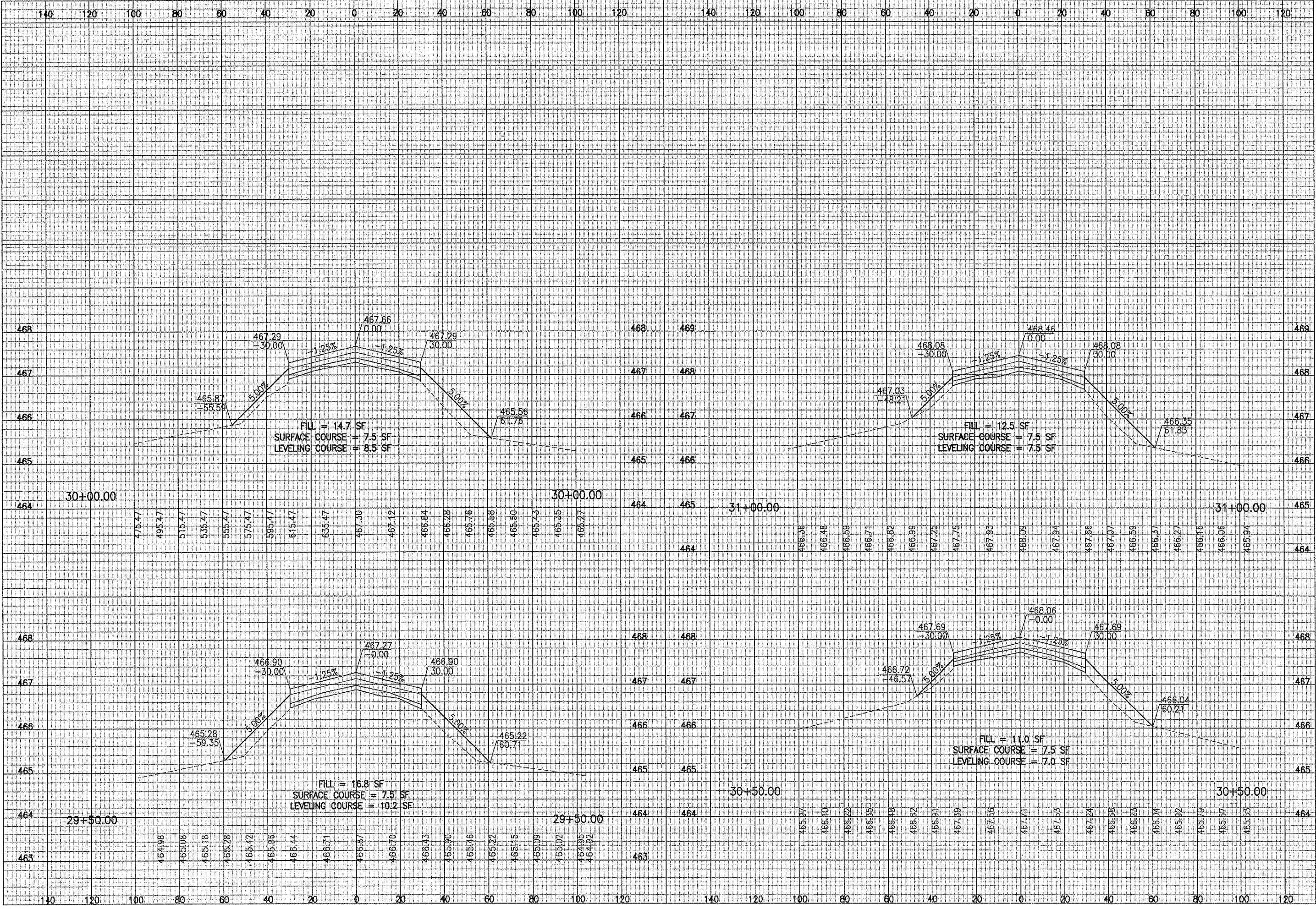
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Scale 1"=1V, 1"=20H	Date 05/11/05
LAYOUT MEW 05/07/05	DRAWN MEW 05/07/05
REVIEWED CAH 05/13/05	



REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 26+50.00 TO STA. 29+00.00

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BY	
REVISION	
DATE	

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

A.I.P. PROJ.: 3-17-0076-B7
 I.L. PROJ.: OLY-3638

HB Project No.	803-05AFND
Filename	R-301XS-321.DGN
Scale	1"=1' V 1"=20'H
Date	05/11/05
LAYOUT	MEW 05/07/05
DRAWN	MEW 05/07/05
REVIEWED	CAH 05/13/05



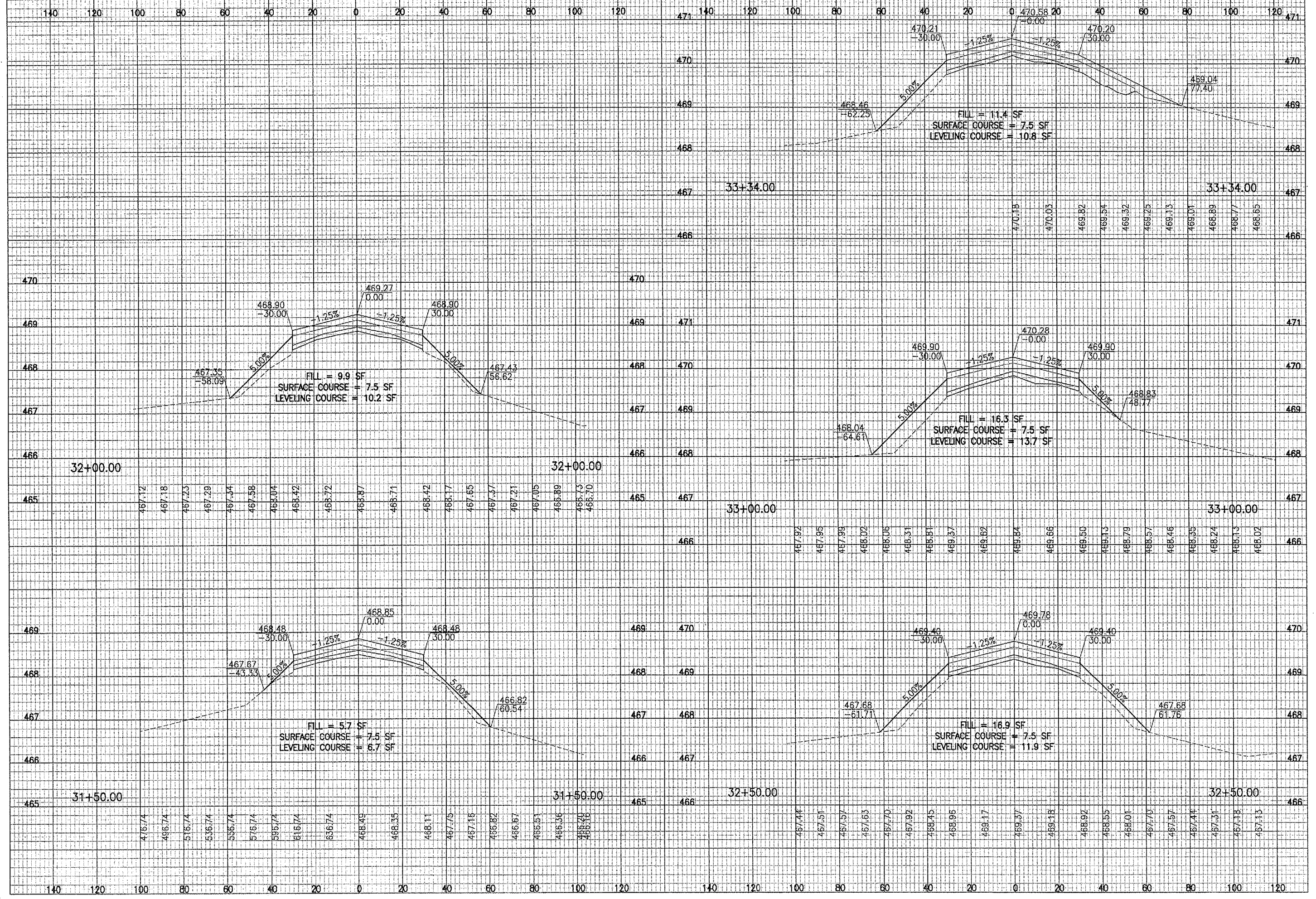
REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 29+50.00 TO STA. 31+00.00

05/16/2005 10:36 AM MEW

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01006



DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

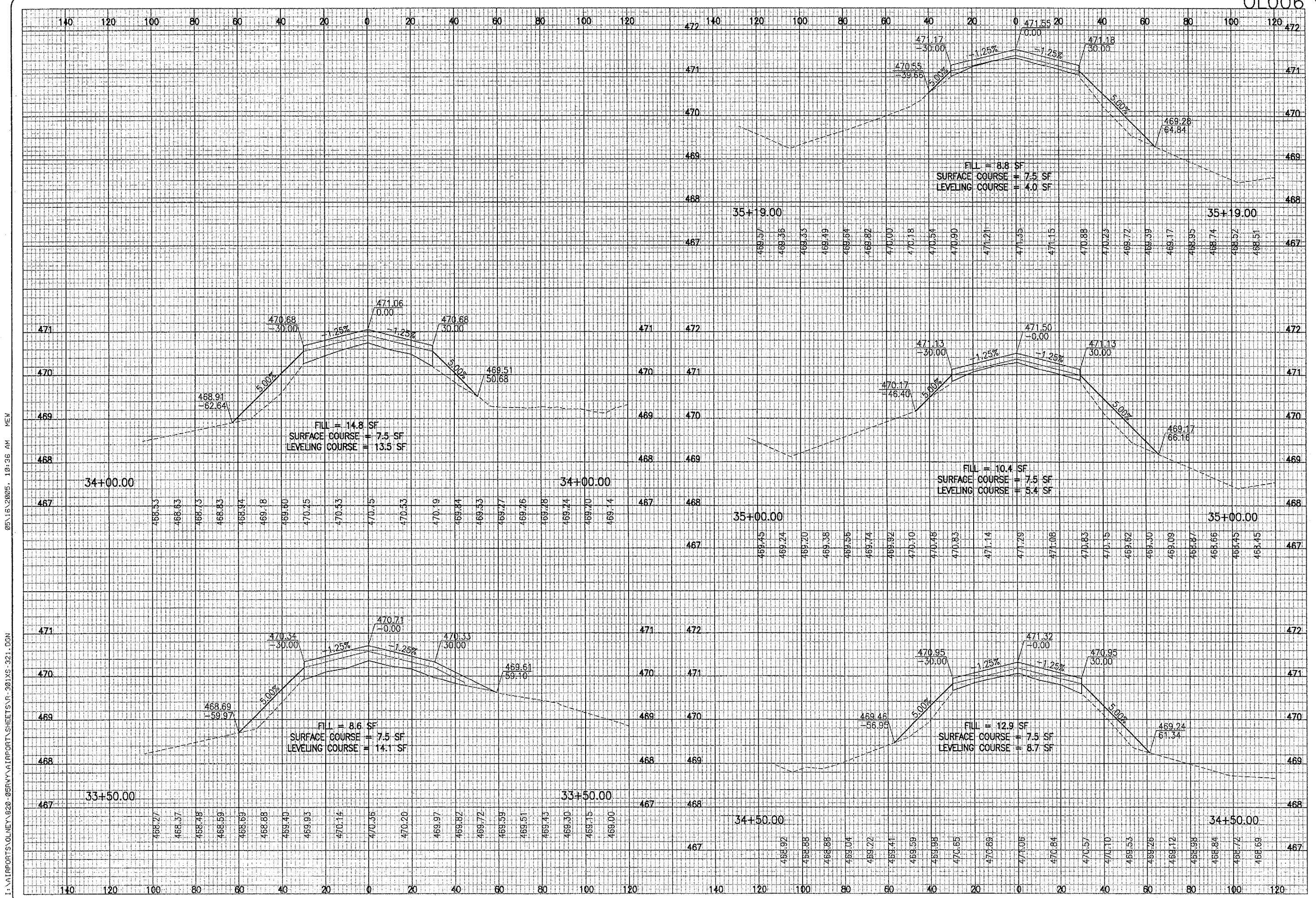
IL PROJ.: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

HEI Project No.	803-05APND
Filename	R-301XS-321.DGN
Scale	1"=1' V 1"=20' H
Date	05/11/05
LAYOUT	MEW 05/07/05
DRAWN	MEW 05/07/05
REVIEWED	CAH 05/13/05



REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 31+50.00 TO STA. 33+34.00




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 05/15/2005, 10:35 AM MEW

01006

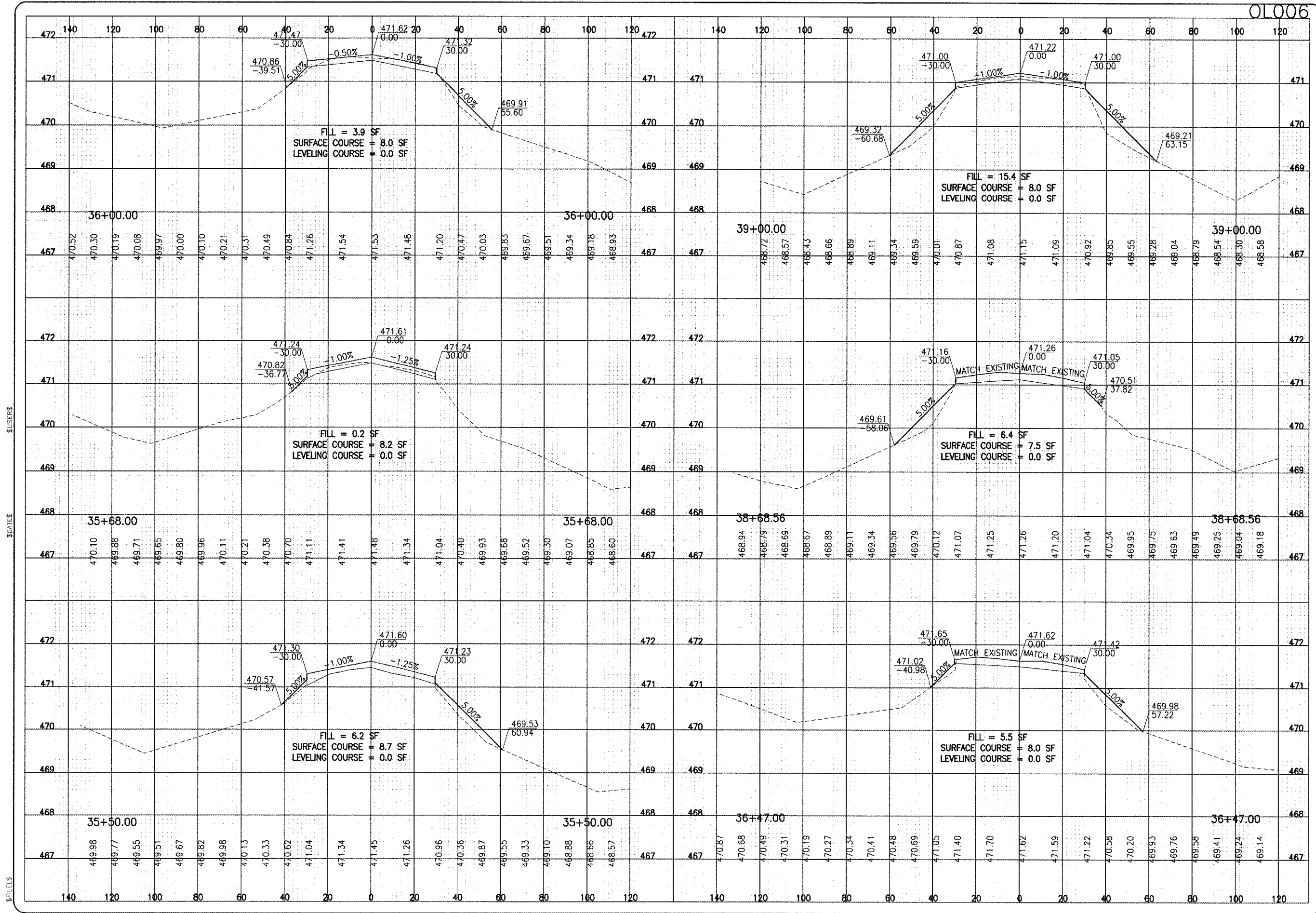
DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY
 A.I.P. PROJ.: 3-17-0076-B7
 I.L. PROJ.: OLY-3638

ISE Permit No. 803-054PND Filename R-301XS-321.DGN Scale: 1"=1' V, 1"=20' H Date: 05/11/05	LAYOUT MEW 05/07/05 DRAWN MEW 05/07/05 REVIEWED CAH 05/13/05
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 Hanson Professional Services Inc.
 1825 South State Street
 Springfield, IL 62768-2886
 Offices Nationwide

REHABILITATE
 RUNWAY 3-21
 PROPOSED
 CROSS-SECTIONS
 STA. 33+50.00 TO STA. 35+19.00



BT
REVISION
DATE

OLNEY-NOBLE AIRPORT
OLNEY, ILLINOIS
RICHLAND COUNTY

IL. PROJ.: OLY-3638 A.I.P. PROJ.: 3-17-0076-87

PLT Project No.	803-05APND
Filename	R-301XS-321.DGN
Scale	1"=1' 1"=20'H
Date	05/11/05
LAYOUT	MEW 05/07/05
DRAWN	MEW 05/07/05
REVIEWED	CAH 05/13/05

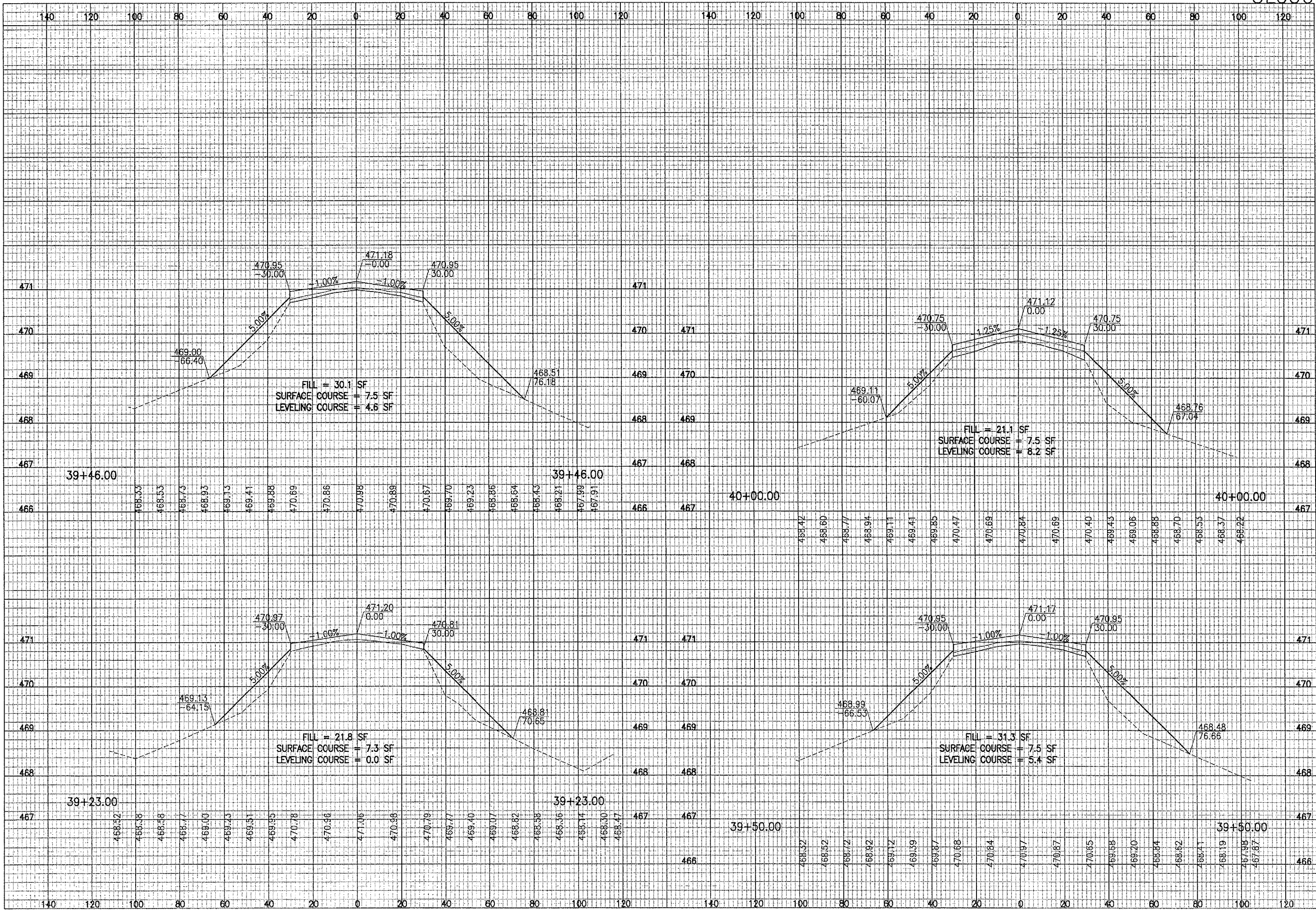


REHABILITATE
RUNWAY 3-21

PROPOSED
CROSS-SECTIONS
STA. 35+50.00 TO STA. 39+00.00

05/15/2005, 10:38 AM MEW

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DATE	REVISION

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

IL PROJ.: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

HEI Project No. 803-05APND	FLYLINE R-301XS-321.DGN
Scale 1"=1' V, 1"=20' H	Date 05/11/05
LAYOUT	MEW 05/07/05
DRAWN	MEW 05/07/05
REVIEWED	CAH 05/13/05

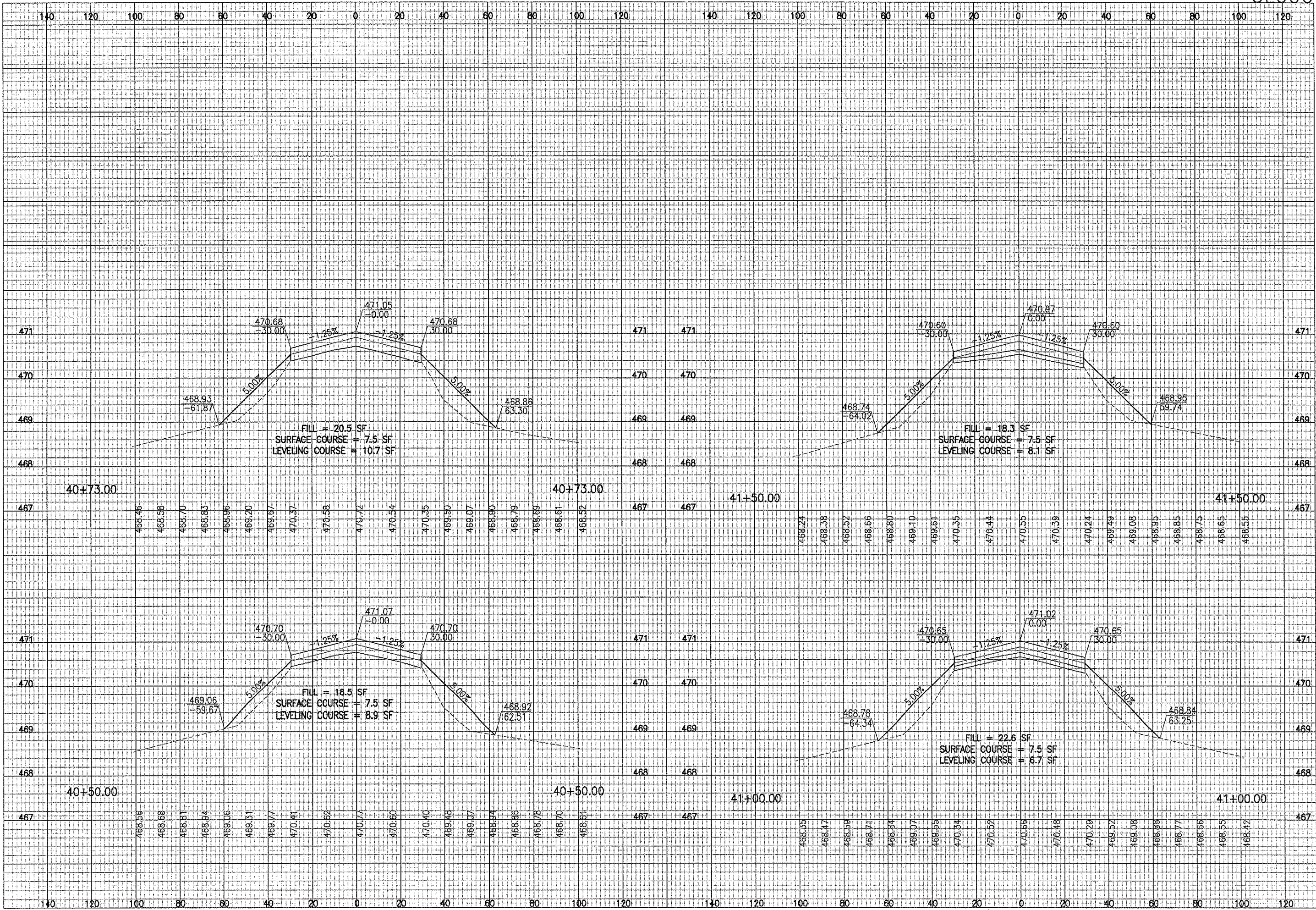


REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 39+23.00 TO STA. 40+00.00

05/11/2005 10:37 AM MEW

I:\AIRPORTS\OLNEY\B20-08SRVY\AIRPORT\SHEETS\R-301.XS-321.DGN

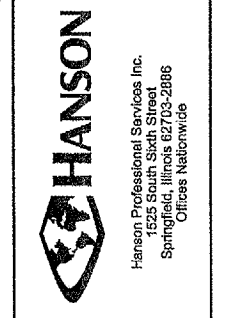


DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

IL PROJ.: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

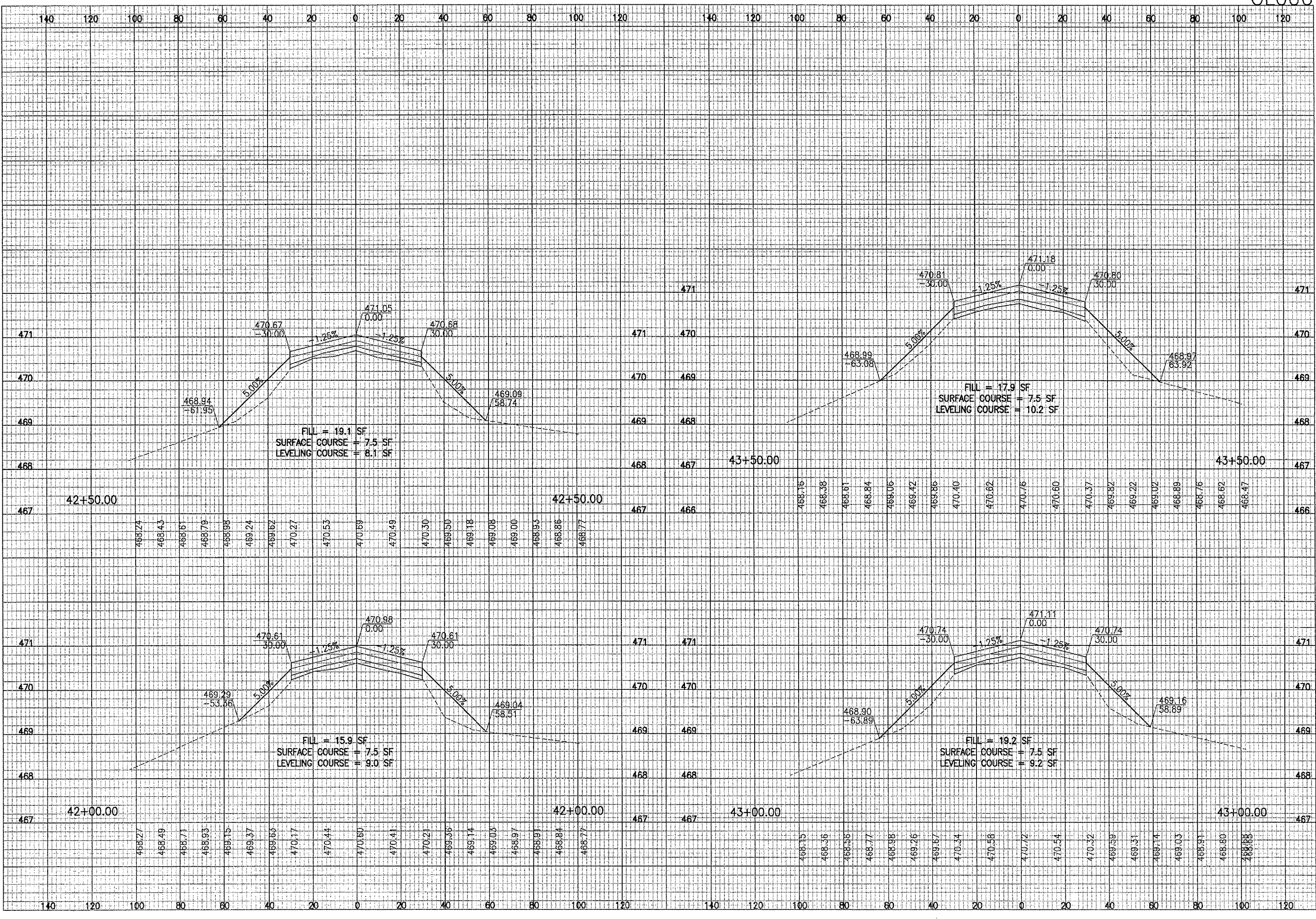
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Plan Name	R-301.XS-321.DGN
Scale	1"=1' 1"=20'H
Date	05/11/05
LAYOUT	MEW 05/07/05
DRAWN	MEW 05/07/05
REVIEWED	CAH 05/13/05



REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 40+50.00 TO STA. 41+50.00

I:\AIRPORTS\OL-NET\820-05RWY\AIRPORT\9-SHEETS\R-301XS-321.DGN 05/16/2005, 10:37 AM MEV



DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
OLNEY, ILLINOIS
RICHLAND COUNTY

IL PROJ.: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

HEL Project No. 803-05APND	DATE 05/11/05
Elevation R-301XS-321.DGN	DRAWN MEW
Scale 1"=1V, 1"=20'H	NEW
	REVIEWED CAH

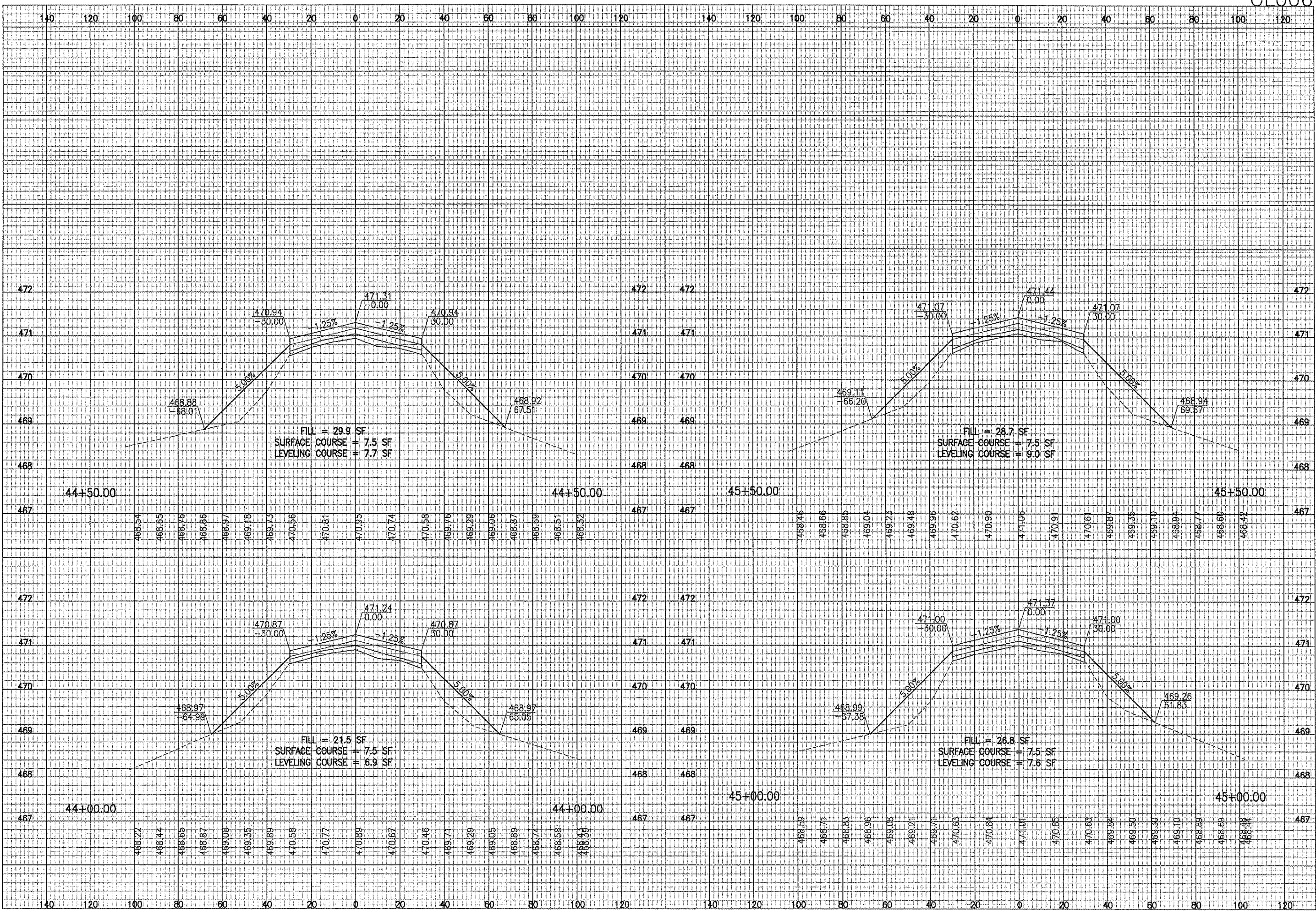


REHABILITATE
RUNWAY 3-21

PROPOSED
CROSS-SECTIONS
STA. 42+00.00 TO STA. 43+50.00

05/16/2005, 10:37 AM MEV

I:\AIRPORTS\OLNEY\20-05\RYWAY\AIRPORT\SHEETS\R-301XS-321.DGN



DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

IL PROJ.: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

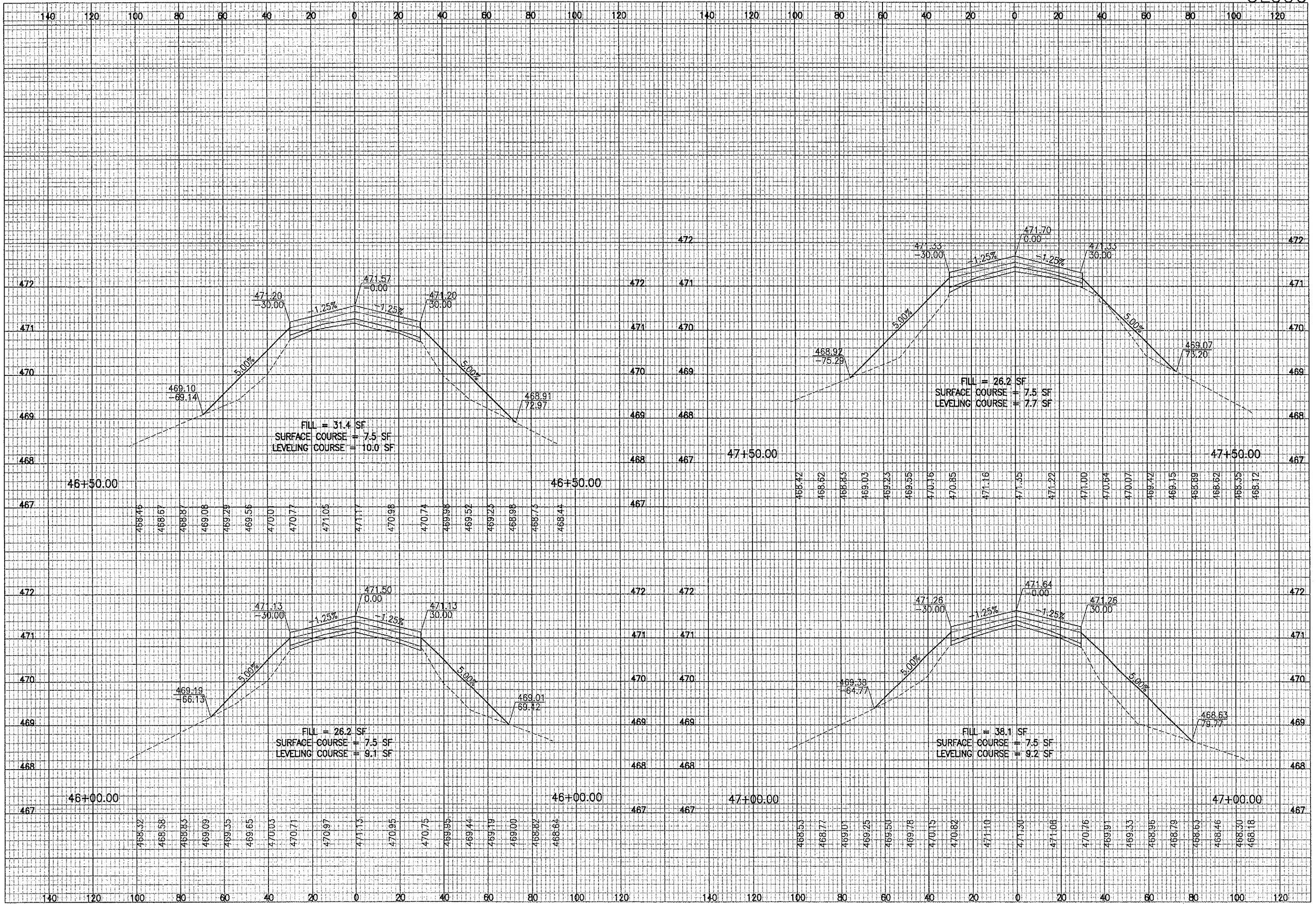
JEL Project No. 803-05(P)ND	MEW	05/07/05
Plan No. R-301XS-321.DGN	MEW	05/07/05
Scale 1"=1V 1"=20'H	CAH	05/13/05
Date 05/11/05		
LAYOUT		
DRAWN		
REVIEWED		



REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 44+00.00 TO STA. 45+50.00

I:\AIRPORTS\OLNEY\B20-02RWY\AIRPORT\SHEETS\R-301XS-321.DGN 05/16/2005 10:38 AM MEV

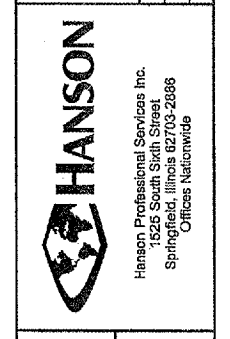


DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

IL PROJ.: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

I.E.I. Project No. 803-05APND Plan Name R-301XS-321.DGN Scale 1"=1V, 1"=20'H Date 05/11/05	LAYOUT MEW 05/07/05 DRAWN MEW 05/07/05 REVIEWED CAH 05/13/05
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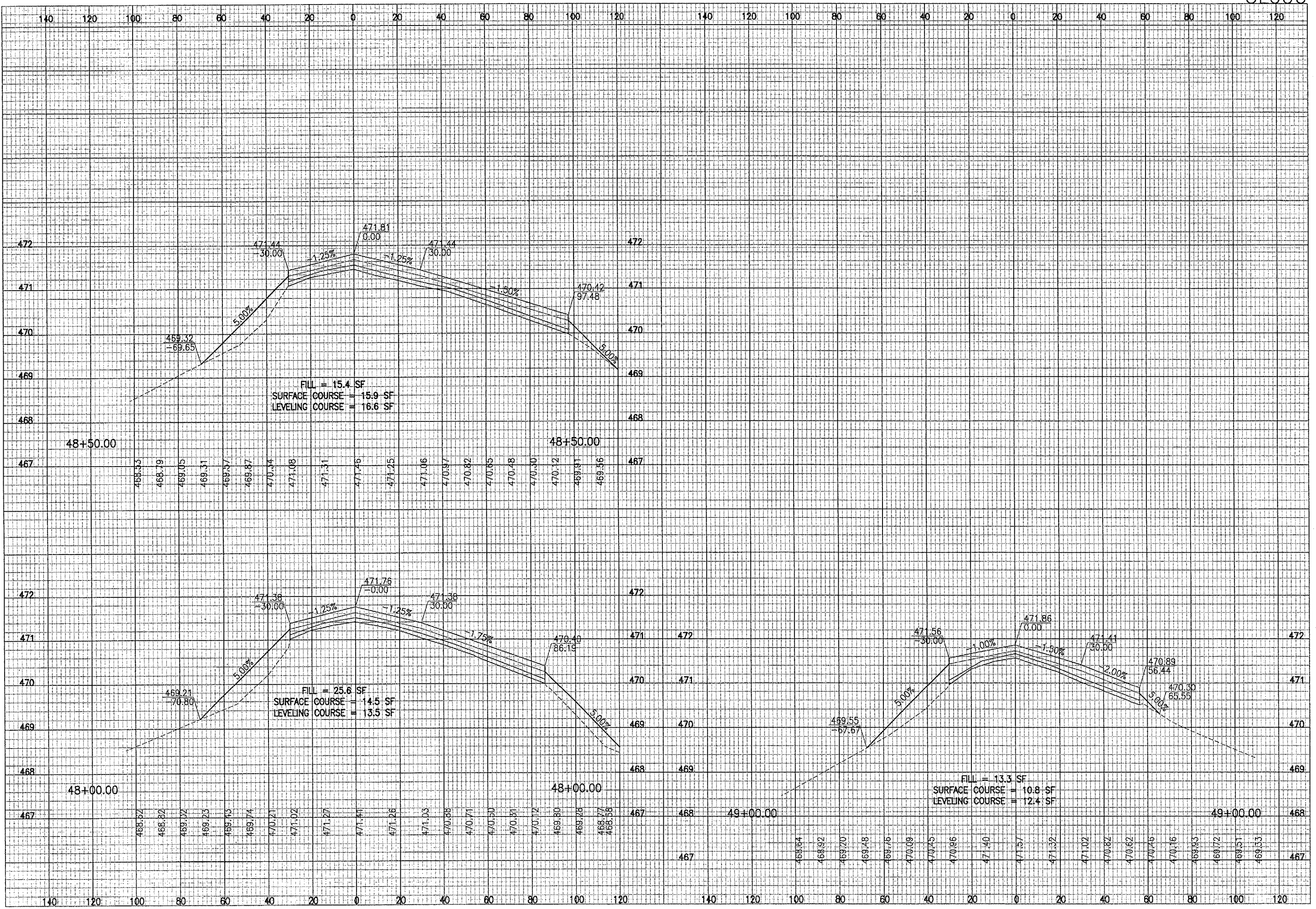


REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 46+00.00 TO STA. 47+50.00

05/16/2005, 10:38 AM NEV

I:\AIRPORTS\OLNEY\B20-05RVV\AIRPORT\SHEETS\R-301XS-321.DGN

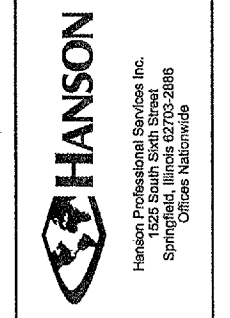


DATE	REVISION	BY

OLNEY-NOBLE AIRPORT
 OLNEY, ILLINOIS
 RICHLAND COUNTY

IL PROJ.: OLY-3638 A.I.P. PROJ.: 3-17-0076-B7

HEL Project No.	803-05APND
Filename	R-301XS-321.DGN
Scale	1"=1' V 1"=20' H
Date	05/11/05
LAYOUT	MEW 05/07/05
DRAWN	MEW 05/07/05
REVIEWED	CAH 05/13/05



REHABILITATE
 RUNWAY 3-21

PROPOSED
 CROSS-SECTIONS
 STA. 48+00.00 TO STA. 49+00.00