

CONSTRUCTION PLANS

FOR

MARSHALL COUNTY AIRPORT

LACON, MARSHALL COUNTY, ILLINOIS

GRADING AND DRAINAGE FOR 800 FT. EXTENSION TO RUNWAY END 31

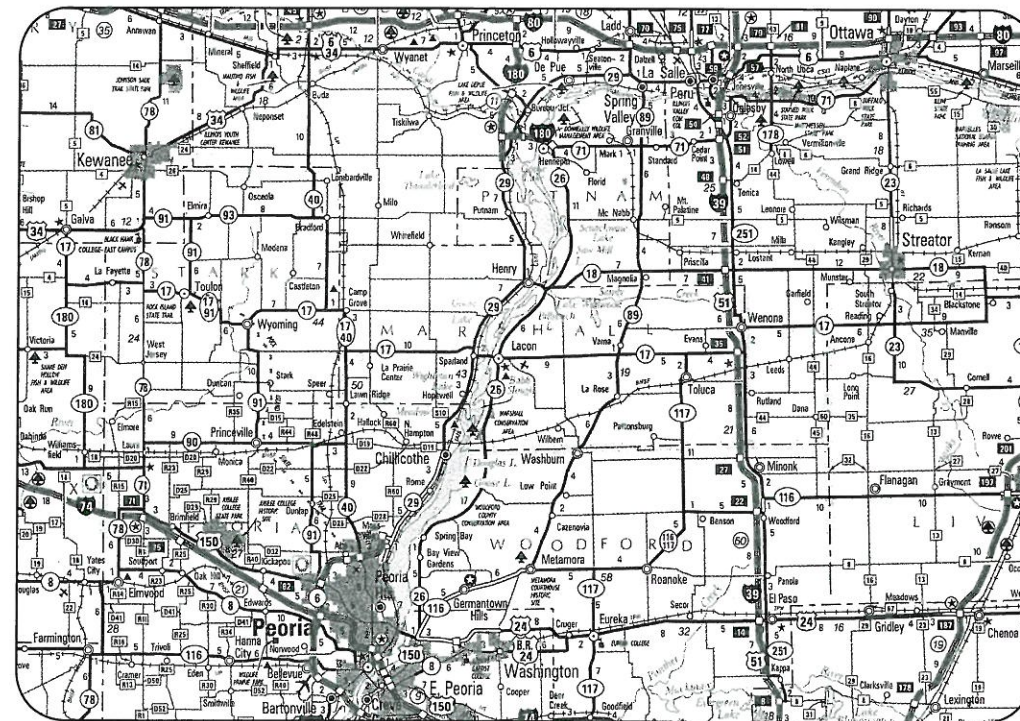
SCOPE OF WORK

BASE BID

THIS PROJECT CONSISTS OF CONSTRUCTING A 800' EXTENSION TO RUNWAY END 31. ASSOCIATED WORK WILL INCLUDE TREE CLEARING, GRADING, DRAINAGE, INSTALLATION OF BOX CULVERT, SEEDING AND MULCHING. SHOULDERING WILL HAVE 4:1 SLOPES WITH NO EARTH BERMS.

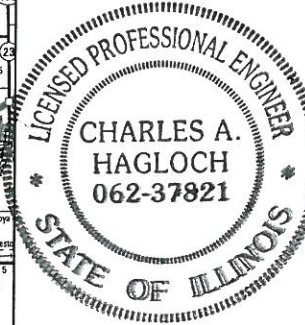
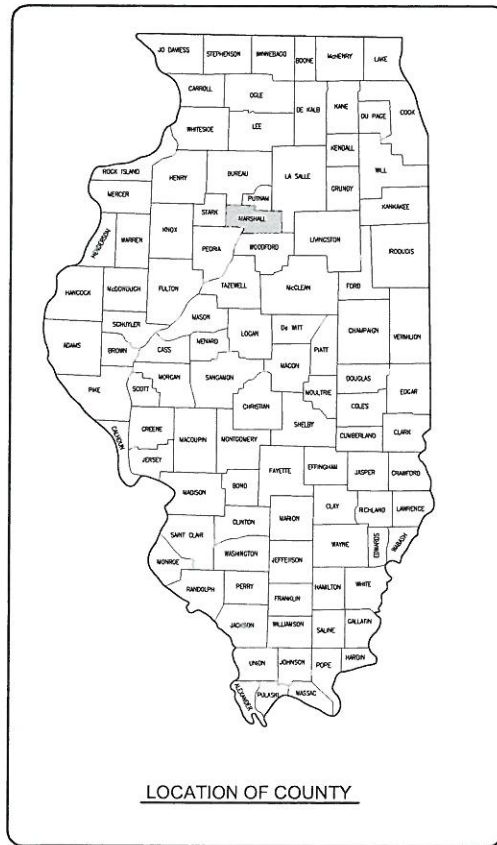
ADDITIVE ALTERNATE NO. 1

CONSTRUCTION OF EARTH BERMS WITH ASSOCIATED WORK ITEMS.



LOCATION

ILL. PROJ.: C75-3989
 A.I.P. PROJ.: 3-17-0059-B12
 LATITUDE: 41° 01' 05"
 LONGITUDE: 89° 23' 08"
 ELEVATION: 569.0' M.S.L.
 DATE: NOV. 18, 2011



REVISED: 12/13/2011



Hanson Professional Services Inc.

Submitted by: *Charles A. Hagloch* ENG'R

Date Submitted: DECEMBER 13, 2011

Lics. Exp. Date: NOVEMBER 30, 2013

MARSHALL COUNTY AIRPORT

Approved: *Charles L. Allen* CHAIRMAN

Date: 3/30/2011

Approved: *[Signature]* SECRETARY

Date: 3-30-2011

DATE	REVISION	BY
	AS PER I.D.A. COMMENTS	CAH

MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS

ILL. PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

DATE	REVISION	BY
05/24/10	BAK	BAK
05/24/10	BAK	BAK
03/17/11	CAH	CAH

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

800' EXTENSION TO
 RUNWAY END 31


COVER SHEET

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
BASE BID				
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150540	HAUL ROUTE	L.S.	1	
AR151451	CLEARING AND GRUBBING 0" - 6"	AC.	13.7	
AR151452	CLEARING AND GRUBBING 6" - MORE THAN 2"	AC.	23.7	
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	239,971	
AR156510	SILT FENCE	L.F.	7,333	
AR156511	DITCH CHECK	EA.	1	
AR156530	TEMPORARY SEEDING	AC.	69.8	
AR156531	EROSION CONTROL BLANKET	S.Y.	4,840	
AR156544	RIPRAP GRADATION NO. 4	S.Y.	222	
AR156545	RIPRAP GRADATION NO. 5	S.Y.	150	
AR620912	TEMPORARY MARK & LIGHT	L.S.	1	
AR701169	PRECAST CONC. BOX CULVERT 6' X 9'	L.F.	470	
AR800532	6' X 9' BOX CULVERT HEADWALL	EA.	2	
AR800536	REMOVE POND	L.S.	1	
AR901510	SEEDING	AC.	69.8	
AR908510	MULCHING	AC.	69.8	
ADDITIVE ALTERNATE NO. 1				
AS152410	UNCLASSIFIED EXCAVATION	C.Y.	32,480	
AS701169	PRECAST CONC. BOX CULVERT 6' X 9'	L.F.	47	
AS701012	12" PVC STORM SEWER	L.F.	460	
AS752212	METAL END SECTION 12"	EA.	4	

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	PROPOSED CONSTRUCTION PLAN STA. 111+00 TO STA. 125+00
5	PROPOSED TEMPORARY MARKING AND LIGHTING PLAN
6	PROPOSED TEMPORARY MARKING AND LIGHTING NOTES AND DETAILS
7	PROPOSED STORMWATER POLLUTION PREVENTION PLAN
8	PROPOSED STORMWATER POLLUTION PREVENTION PLAN DETAILS
9	PROPOSED PLAN AND PROFILE STA. 93+00 TO STA. 103+00
10	PROPOSED PLAN AND PROFILE STA.103+00 TO STA. 114+00
11	PROPOSED PLAN AND PROFILE STA.114+00 TO STA. 125+00
12	PROPOSED DRAINAGE PLAN STA. 111+00 TO STA. 125+00
13	6' X 9' BOX CULVERT HEADWALL DETAIL
14	BOX CULVERT DETAILS
15	PROPOSED DRAINAGE DETAILS
16	PROPOSED TYPICAL SECTION
17	PROPOSED STAKING PLAN STA. 95+00 TO STA. 109+00
18	PROPOSED STAKING PLAN STA. 109+00 TO STA. 123+00
19	PROPOSED CLEARING PLAN STA. 97+00 TO STA. 111+00
20	PROPOSED CLEARING PLAN STA. 111+00 TO STA. 125+00
21	PROPOSED SEEDING PLAN STA. 97+00 TO STA. 111+00
22	PROPOSED SEEDING PLAN STA. 111+00 TO STA. 125+00
23	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 94+00 TO STA. 94+50
24	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 95+00 TO STA. 95+50
25	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 96+00
26	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 96+50
27	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 97+00
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59	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 112+74
60	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 113+30
61	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 113+87
62	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 114+00
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74	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 120+00
75	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 120+50
76	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 121+00
77	CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 121+50

BY							
REVISION							
DATE							
MARSHALL COUNTY AIRPORT LACON, ILLINOIS							
A.I.P. PROJ.: 3-17-0059-B12							
IL. PROJ.: C75-3989							
Hanson Project No. 09A0169D_0800		File Name R-002FLP.DWG		Scale NOT TO SCALE		Date 10/28/11	
LAYOUT	BAK	05/24/10	BAK	05/24/10	CAH	xx/xx/xx	
DRAWN	BAK		BAK				
REVIEWED	CAH						
							
Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2866 Offices Nationwide							
800' EXTENSION TO RUNWAY END 31				SUMMARY OF QUANTITIES AND INDEX TO SHEETS			
2							
2 of 77 sheets							

UTILITY NOTE

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. 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 OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. **CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123.** CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

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 ONE RUNWAY OPEN AT ALL TIMES AND MAINTAIN CONTINUOUS TAXIWAY ACCESS TO ALL HANGARS AND ADMINISTRATIVE AREAS.

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



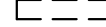




NO TRENCHES OR HOLES WILL REMAIN OPEN OVERNIGHT.

NO RUNWAY SHALL BE CLOSED OVERNIGHT.

BARRICADES AND TRAFFIC CONES

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

LEGEND

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

SCOPE OF WORK

BASE BID
THIS PROJECT CONSISTS OF CONSTRUCTING A 800' EXTENSION TO RUNWAY END 31. ASSOCIATED WORK WILL INCLUDE TREE CLEARING, GRADING, DRAINAGE, INSTALLATION OF BOX CULVERT, SEEDING AND MULCHING. SHOULDERING WILL HAVE 4:1 SLOPES WITH NO EARTH BERMS. **ADDITIVE ALTERNATE NO. 1**
CONSTRUCTION OF EARTH BERMS WITH ASSOCIATED WORK ITEMS.

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.

HEIGHT OF CONSTRUCTION EQUIPMENT

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 50 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A CRANE. THE CRANE WILL BE USED TO OFF LOAD AND SET THE BOX CULVERT SECTIONS. THE CRANE WILL BE AT LEAST 35' BELOW THE END OF THE RUNWAY.

BENCHMARK DATA

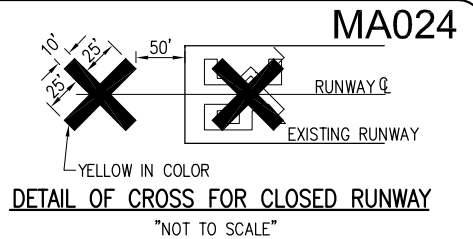
NO.	DESCRIPTION	NORTHING	EASTING	ELEV.
1	LACPORT NGS MONUMENT	1,585,214.690	2,512,981.969	565.44
2	LACPORT AZ MONUMENT	1,587,067.557	2,510,579.083	536.82
3	5/8" IRON PIN W/ HELI METAL CAP	1,586,449.457	2,511,380.665	549.16

CERTIFIED PAYROLLS

THE RESIDENT ENGINEER CANNOT FORWARD CONSTRUCTION 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.



NOTE:

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

J.U.L.I.E. INFORMATION

COUNTY: MARSHALL
CITY: LACON
TOWNSHIP: HOPEWELL
SECTION NO.: 31
ADDRESS: MARSHALL COUNTY AIRPORT
LACON, ILLINOIS 61540

CRITICAL POINT DATA

LATITUDE: 41° 00' 58.96"
LONGITUDE: 89° 22' 56.91"
ELEVATION: 568.70 M.S.L.

PROPOSED SAFETY PLAN

GENERAL - THE MARSHALL COUNTY AIRPORT IS COMPRISED OF TWO RUNWAYS. RUNWAY 13-31 WILL BE CLOSED TWICE. ONCE TO DISPLACE RUNWAY END 31 FIVE HUNDRED FEET AND THE SECOND TIME TO REMOVE THE DISPLACEMENT. THE CONTRACTOR WILL BE ALLOWED TO CLOSE RUNWAY 13-31 ONE CONSTRUCTION DAY TO DISPLACE RUNWAY END 31 AND ANOTHER CONSTRUCTION DAY TO REMOVE THE DISPLACEMENT. ALL OTHER TIMES DURING CONSTRUCTION RUNWAY 13-31 WILL BE OPEN TO AIRCRAFT OPERATIONS AT THE SHORTENED LENGTH OF 2,700 FT. 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 (122.80 MHZ.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE MARSHALL COUNTY AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

150-ENGINEER'S FIELD OFFICE NOTES

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE FURNISHED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH ITEM AR150510 "ENGINEER'S FIELD OFFICE" AS STATED ON PAGE 49 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS NOV. 2, 2009.

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 CONTRACTOR WILL FURNISH A WIRELESS PHONE TO THE RESIDENT ENGINEER FOR HIS EXCLUSIVE USE FOR THE DURATION OF THIS PROJECT. THE RESIDENT ENGINEER WILL USE THIS PHONE FOR PROJECT BUSINESS ONLY. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CHARGES ASSOCIATED WITH THIS CELL PHONE.

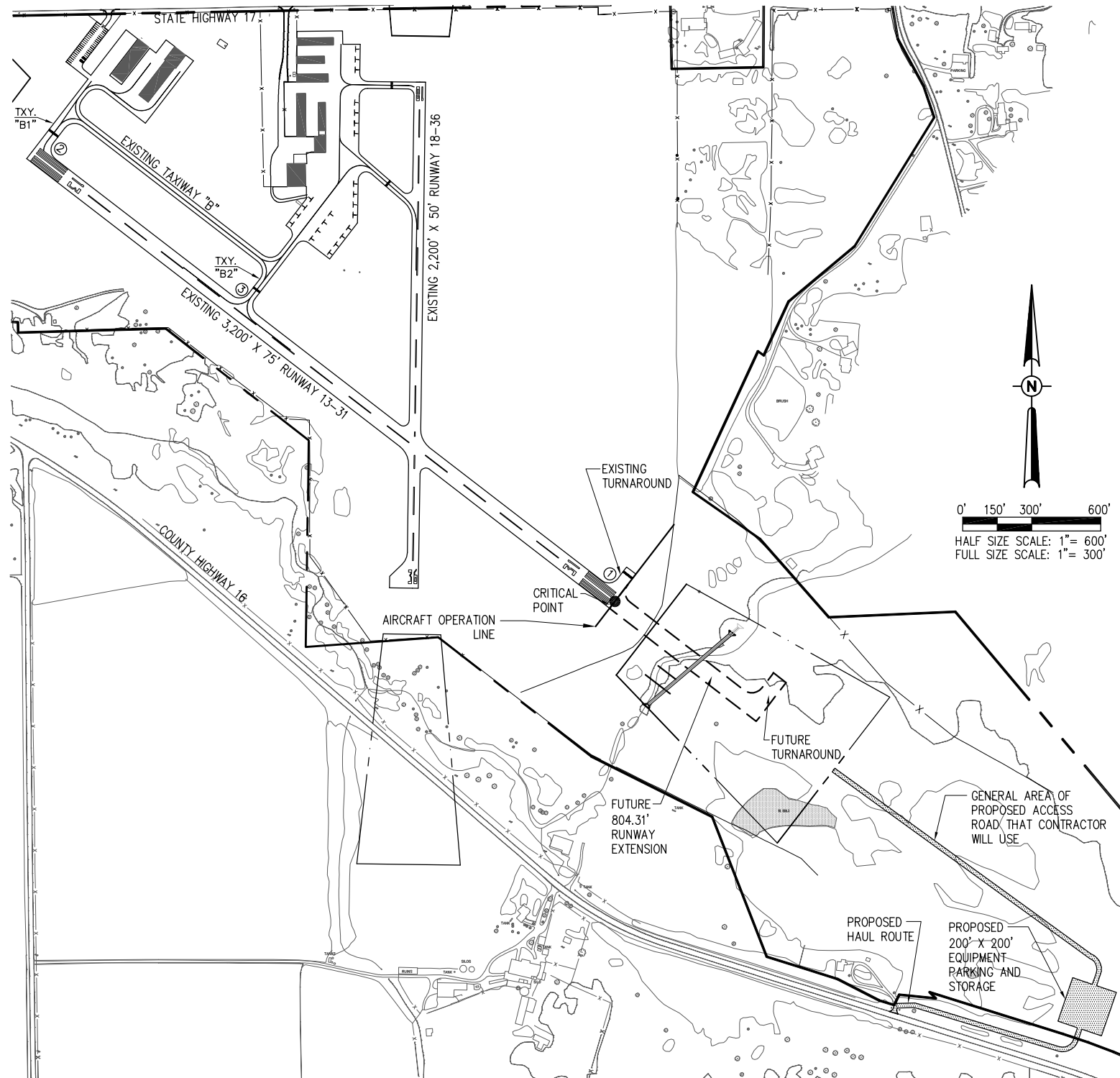
THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE PAID FOR UNDER ITEMS: AR150510 ENGINEER'S FIELD OFFICE ____ 1 L.S.

EROSION CONTROL


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

AIRCRAFT OPERATION LINE

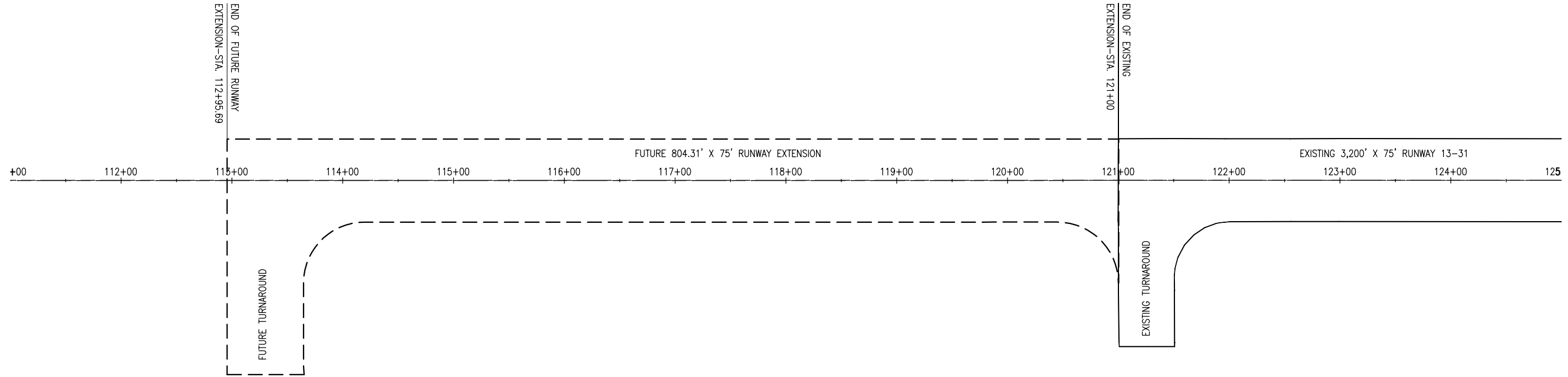
THE CONTRACTOR WILL LOCATE THIS LINE AT THE START OF CONSTRUCTION AND WILL PLACE FLAGGED LATHE EVERY 150' ALONG IT. THIS LINE WILL BE THE LIMITS THAT ALL CONTRACTOR PERSONNEL MAY VENTURE WHEN A RUNWAY IS NOT CLOSED. THE CONTRACTOR WILL MAINTAIN THE LATHE LINE FOR RUNWAYS.




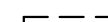
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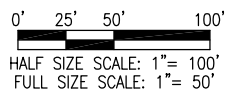
DATE 10/24/11	REVISION AS PER IDA COMMENTS				
MARSHALL COUNTY AIRPORT LACON, ILLINOIS					
Hanson Project No. 09A0169D_0800 Filename R-003SFY.DWG Scale 1" = 300' Date 10/28/11					
LAYOUT 05/24/10	BAK	BAK	CAH	03/17/11	03/17/11
 Hanson Professional Services Inc. 10th Street Springfield, IL 62703-2686 Offices Nationwide					
800' EXTENSION TO RUNWAY END 31	PROPOSED SAFETY PLAN				3
3 of 77 sheets					

A.I.P. PROJ.: 3-17-0059-B12
IL PROJ.: C75-3989



LEGEND

-  EXISTING IMPROVEMENTS
-  FUTURE IMPROVEMENTS



DATE	REVISION	BY
10/24/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

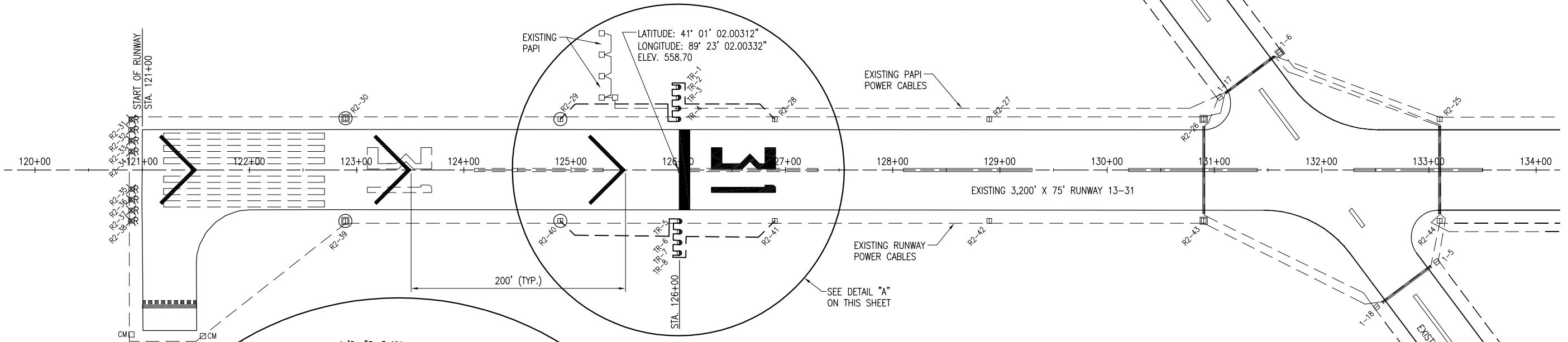
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	
Filename: R-121CON.DWG	
Scale: 1" = 50'	
Date: 10/28/11	
LAYOUT	BAK 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/17/11

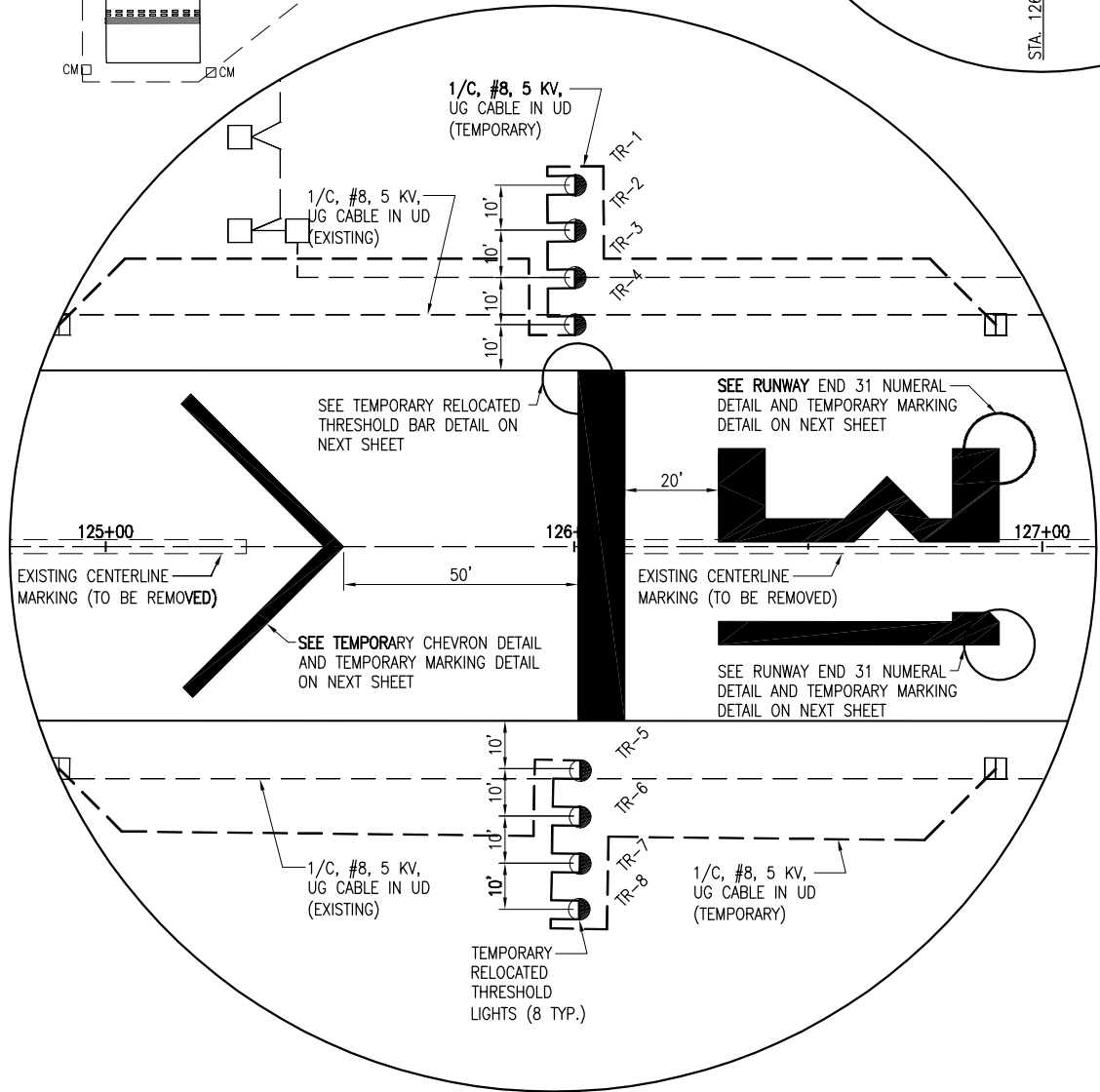


800' EXTENSION TO RUNWAY END 31

PROPOSED CONSTRUCTION PLAN STA. 111+00 TO STA. 125+00



MARKING REMOVAL QUANTITIES			
DESCRIPTION	UNIT AREA	NO. REQUIRED	TOTAL AREA
RUNWAY THRESHOLD STRIPES	862.5	6	5,175
RUNWAY CENTERLINE STRIPES	360	2	720
NUMBER 1	318	1	318
NUMBER 3	634	1	634
TOTAL MARKING			6,847



DETAIL "A"
"NOT TO SCALE"

- LEGEND**
- EXISTING PAVEMENT
 - EXISTING MARKING (TO REMAIN IN PLACE)
 - EXISTING MARKING (TO BE REMOVED)
 - PROPOSED TEMPORARY MARKING
 - EXISTING ELECTRICAL DUCT
 - EXISTING ELECTRICAL CABLES
 - PROPOSED ELECTRICAL CABLES
 - EXISTING STAKE MOUNTED RUNWAY LIGHT
 - EXISTING STAKE MOUNTED RUNWAY LIGHT (TO BE COVERED)
 - EXISTING BASE MOUNTED RUNWAY LIGHT
 - EXISTING BASE MOUNTED RUNWAY LIGHT (TO BE COVERED)
 - EXISTING STAKE MOUNTED RUNWAY THRESHOLD LIGHT (TO BE RELOCATED)
 - RELOCATED STAKE MOUNTED RUNWAY THRESHOLD LIGHT

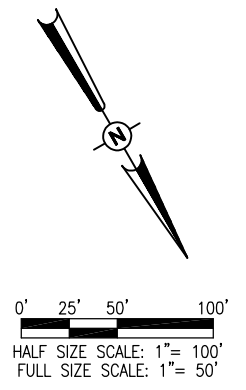
620900-PAVEMENT MARKING REMOVAL NOTES

THE EXISTING PAVEMENT MARKING SHALL BE REMOVED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED ON PAGE 277 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED NOVEMBER 2, 2009.

THE AREAS THAT ARE DESIGNATED FOR REMOVAL ARE SHOWN ON THE CONSTRUCTION PLANS.

ALL AREAS TO BE REMOVED ARE CALCULATED AREAS. ANY ADDITIONAL AREAS, DUE TO OVER SPRAY, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE PROPOSED MARKING REMOVAL WILL BE PAID FOR UNDER ITEM: AR620912 TEMPORARY MARK & LIGHT ___ PER L.S.

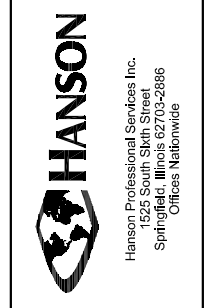


DATE	REVISION	BY

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	BAK	05/24/10
Filename: R-551MRK.DWG	BAK	05/24/10
Scale: 1" = 50'	CAH	03/17/11
Date: 10/28/11		



800' EXTENSION TO RUNWAY END 31

PROPOSED TEMPORARY MARKING AND LIGHTING PLAN

NOV 11, 2011 2:47 PM HAGL000382
I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-551MRK.DWG - Layout1

NOTES DISPLACED THRESHOLD FOR RUNWAY CONSTRUCTION

THIS PROJECT WILL REQUIRE THE TEMPORARY DISPLACEMENT OF RUNWAY 31 END. THIS DISPLACEMENT WILL BE IN ACCORDANCE WITH THE LAYOUTS AND DETAILS SHOWN ON THE PREVIOUS SHEET AND THIS SHEET.

THE PROPOSED TEMPORARY MARKING WILL CONSIST OF PLACING REFLECTIVE TAPE ON THE EXISTING PAVEMENT AT THE LOCATIONS AND DETAILS SHOWN ON THE PREVIOUS SHEET AND THIS SHEET.

THE REFLECTIVE TAPE WILL BE 4" WIDE, WHITE OR YELLOW IN COLOR. THE PROPOSED TAPE SHALL BE STANDARD HIGHWAY PRESSURE SENSITIVE TRAFFIC MARKING TAPE OR APPROVED EQUAL.

THE TEMPORARY RELOCATED THRESHOLD BAR AND RUNWAY NUMERALS WILL BE WHITE IN COLOR.

THE PROPOSED TEMPORARY CHEVRONS WILL BE YELLOW IN COLOR.

ALL EXISTING RUNWAY LIGHTS SOUTH-EAST OF THE TEMPORARY THRESHOLD WILL BE COVERED IN A WAY THAT WILL OMIT NO LIGHT AND BE APPROVED BY THE RESIDENT ENGINEER.

EXISTING THRESHOLD LIGHTS R-31 THRU R-38 WILL BE RELOCATED AS SHOWN ON THE PREVIOUS SHEET TO COMPLETE THE DISPLACED THRESHOLD. WHEN THE EXISTING THRESHOLD LIGHTS ARE REMOVED, THE CONNECTOR KITS WILL BE PLUGGED BACK TOGETHER, TAPED AND PLACED IN THE HOLES DUG TO REMOVE THE ISOLATION TRANSFORMERS. IN THIS MANNER THE RUNWAY LIGHTING CIRCUIT WILL REMAIN ACTIVE.

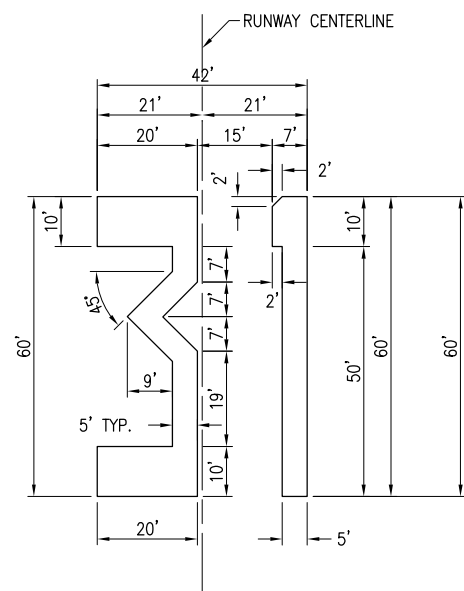
APPROXIMATELY 600' OF NO. 8, 5KV., 1/C TYPE C UG. CABLE WILL BE REQUIRED TO CONNECT BETWEEN RUNWAY LIGHT R2-28 TO RUNWAY LIGHT R2-29 AND PLACING INTO THE LIGHTING CIRCUIT TEMPORARY THRESHOLD LIGHT NUMBERS TR-1 THROUGH TR-4 AND CONNECT BETWEEN RUNWAY LIGHT R2-40 AND R2-41 AND PLACE INTO THE LIGHTING CIRCUIT TEMPORARY THRESHOLD LIGHT NUMBERS TR-5 THROUGH TR-8. ALL CABLE USED FOR THIS ITEM WILL BE PINNED DOWN TO THE GROUND TO PREVENT MOVEMENT. THE UNIT DUCT WILL EITHER BE ORANGE IN COLOR OR PAINTED ORANGE TO IMPROVE VISIBILITY AND REDUCE THE POSSIBILITY OF SOMEONE TRIPPING OVER IT.

THE EXISTING PAPI ON RUNWAY END 31 IS TURNED OFF AT THE VAULT AND WILL REMAIN SO THROUGHOUT THIS CONTRACT.

ALL PROPOSED NO. 8, 5KV., 1/C TYPE C CABLE NEEDED TO TEMPORARILY WIRE THE PROPOSED TEMPORARY THRESHOLD LIGHTS WILL BE DISPOSED OF OFF THE AIRPORT SITE UPON REMOVAL OF THE DISPLACED THRESHOLD. THIS CABLE WILL BE CONSIDERED INCIDENTAL TO THE TEMPORARY MARKING AND LIGHTING AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ONCE THE TEMPORARY DISPLACED THRESHOLD IS NO LONGER NEEDED THE CONTRACTOR, AS PART OF REMOVING THE TEMPORARY DISPLACED THRESHOLD, WILL RE-MARK THE RUNWAY MARKING HE REMOVED WHEN HE INSTALLED THE TEMPORARY DISPLACED THRESHOLD. THE RE-MARKING WILL BE DONE IN ACCORDANCE WITH ITEM 620 AND WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO ITEM AR620912 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE TEMPORARY MARKING AND LIGHTING WILL BE PAID FOR UNDER ITEM AR620912 TEMPORARY MARK & LIGHT 1 L.S..



TEMPORARY NUMERAL DETAIL FOR RUNWAY END 31

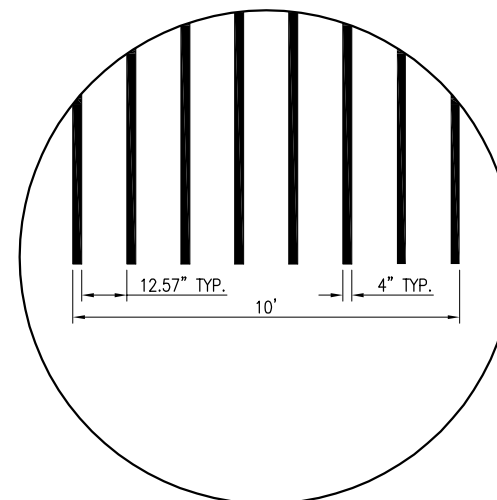
"NOT TO SCALE"

TEMPORARY RUNWAY NUMERAL DIMENSIONING NOTES:

NUMERALS ARE HORIZONTALLY SPACED 15 FEET APART.

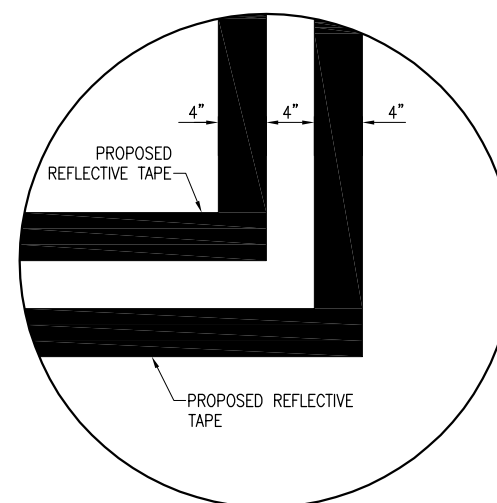
ALL DIMENSIONS ARE EXPRESSED IN INCREMENTS OF FEET.

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



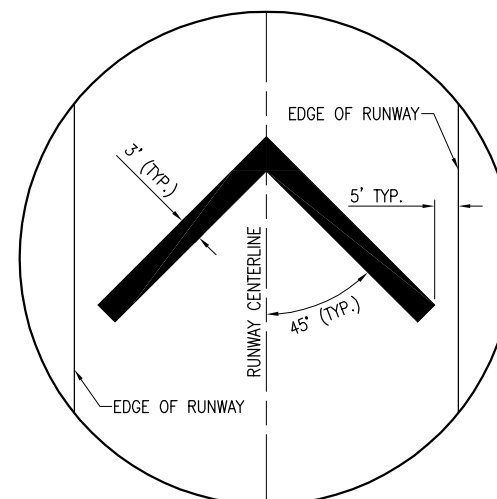
TEMPORARY RELOCATED THRESHOLD BAR DETAIL

"NOT TO SCALE"



TEMPORARY MARKING DETAIL

"NOT TO SCALE"



TEMPORARY CHEVRON DETAIL

"NOT TO SCALE"

DATE	REVISION	BY

**MARSHALL COUNTY AIRPORT
LACON, ILLINOIS**

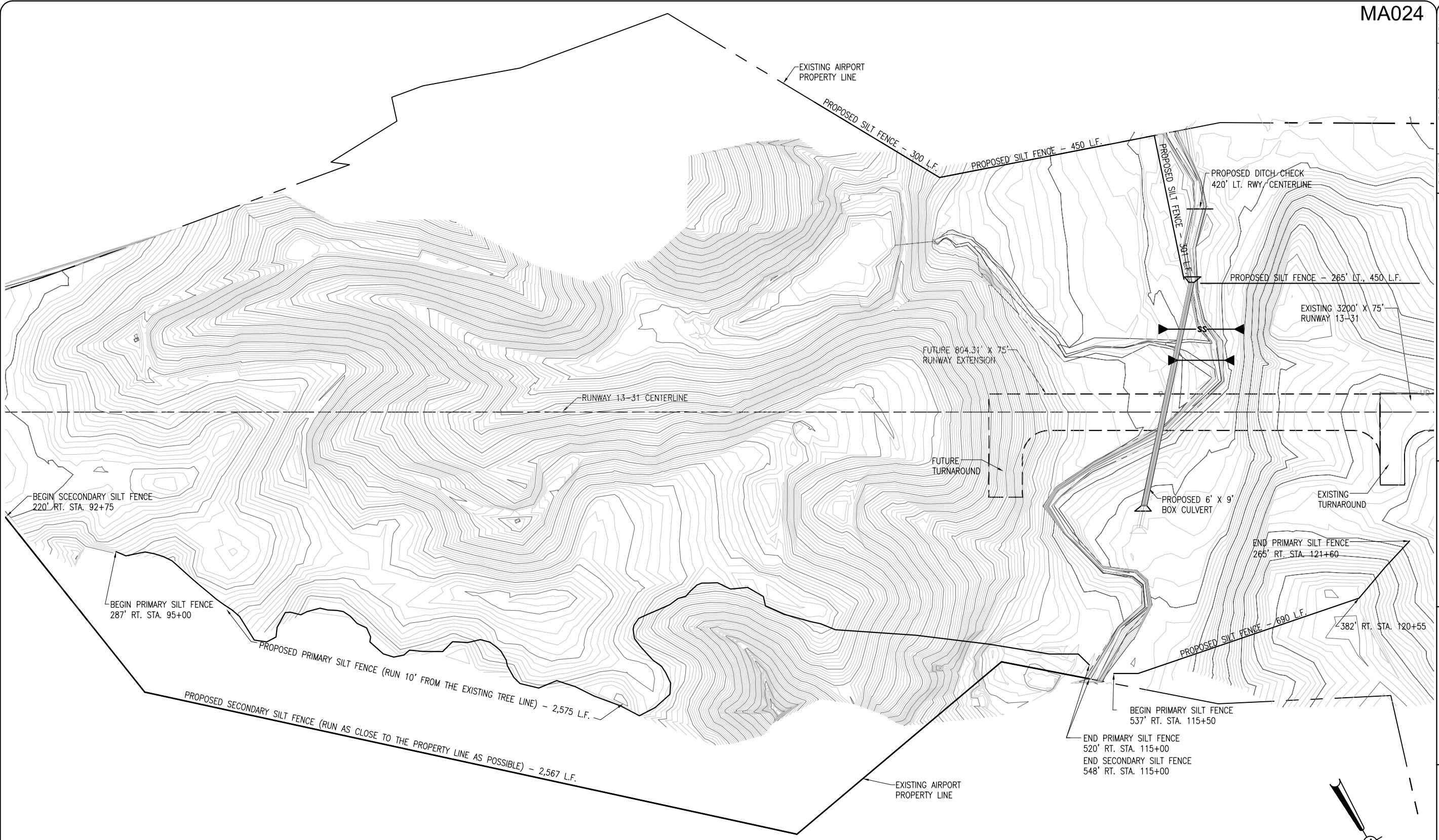
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	BAK	05/24/10
Filename R-552MRK.DWG	BAK	05/24/10
Scale NOT TO SCALE	CAH	03/17/11
Date 10/28/11		
LAYOUT		
DRAWN		
REVIEWED		



800' EXTENSION TO RUNWAY END 31

PROPOSED TEMPORARY MARKING AND LIGHTING NOTES AND DETAILS



DATE	REVISION	BY
10/24/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	
Filename: R-181SWP.DWG	
Scale: 1" = 100'	
Date: 10/28/11	
LAYOUT	BAK 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/17/11

HANSON

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

**800' EXTENSION TO
RUNWAY END 31**

**PROPOSED STORMWATER
POLLUTION PREVENTION
PLAN**

LEGEND

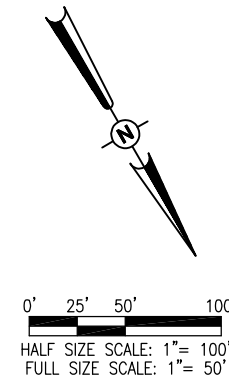
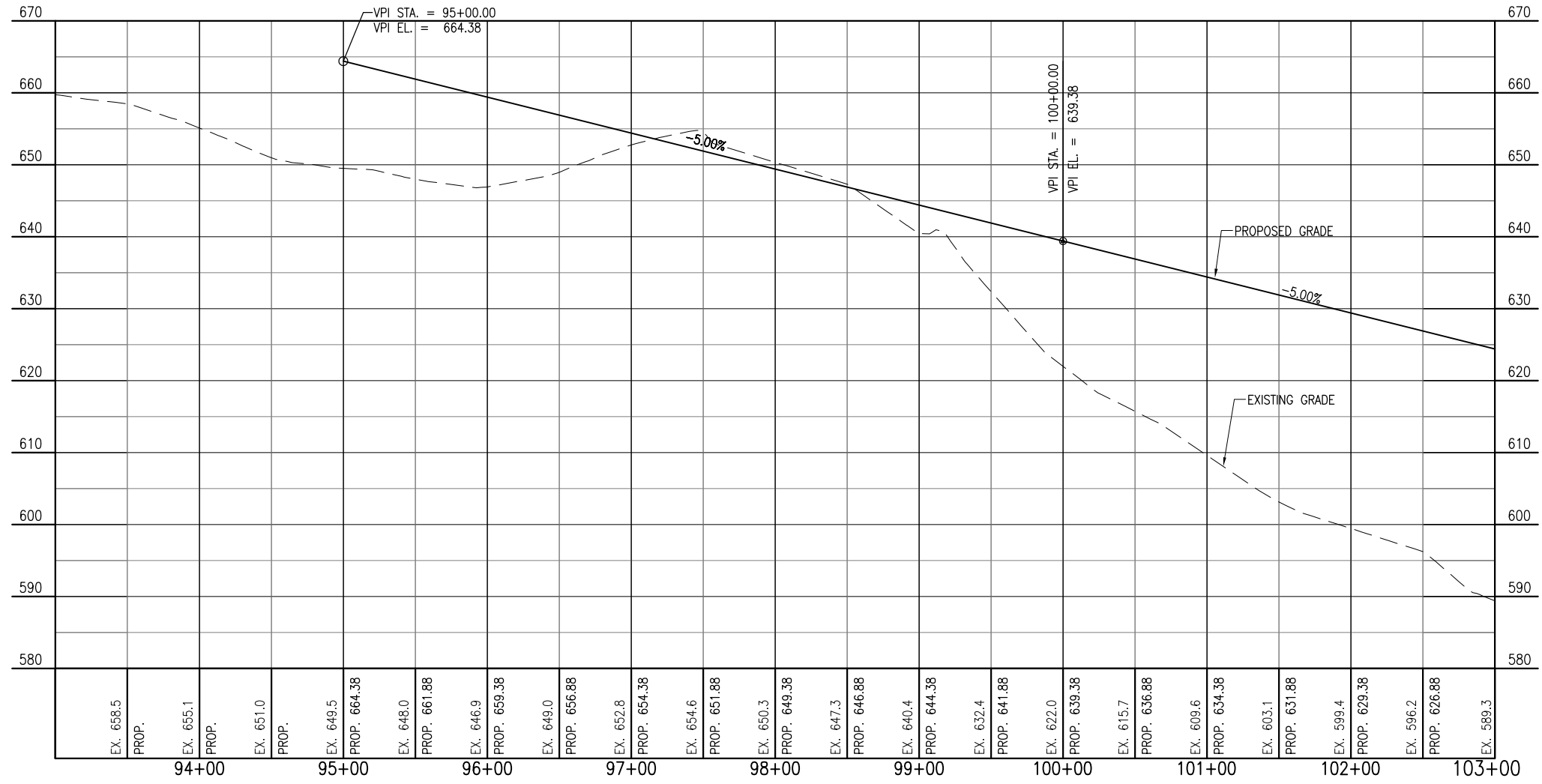
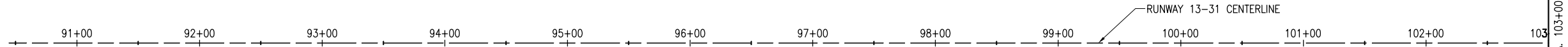
- EXISTING IMPROVEMENTS
- FUTURE IMPROVEMENTS
- EXISTING TOP OF DITCH
- EXISTING BOTTOM OF DITCH
- EXISTING UNDERDRAIN

0' 50' 100' 200'

HALF SIZE SCALE: 1" = 200'

FULL SIZE SCALE: 1" = 100'

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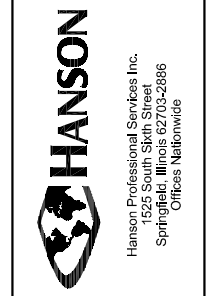


DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

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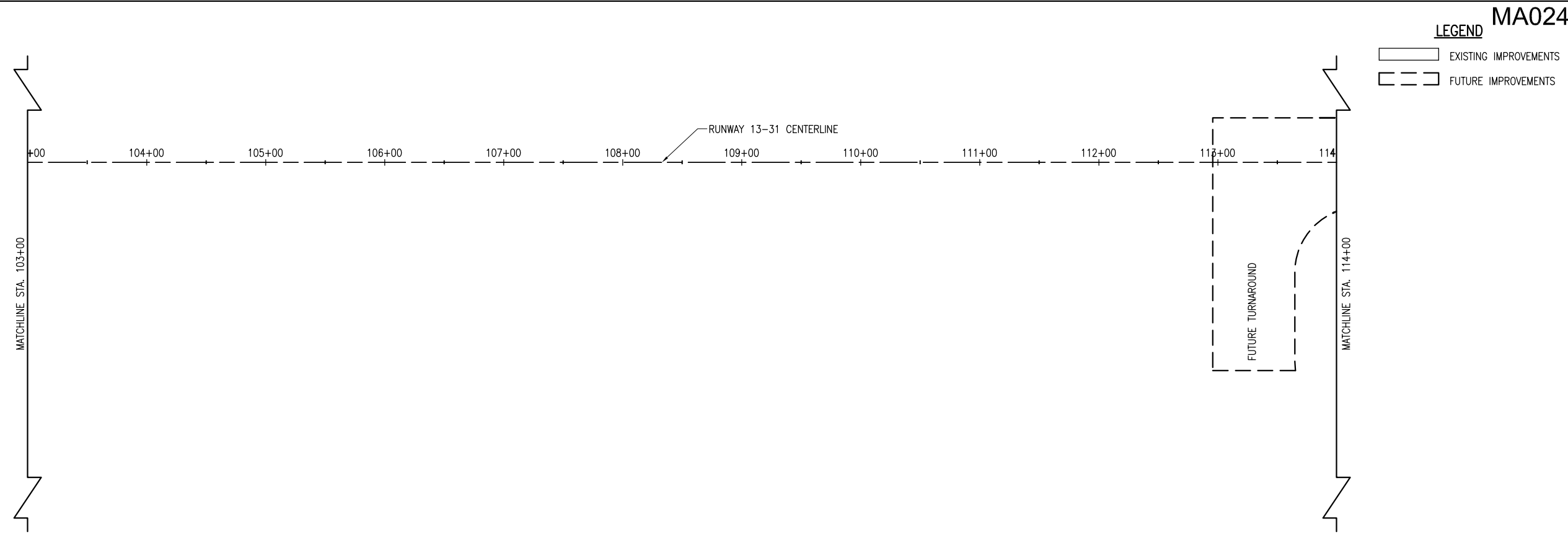
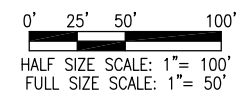
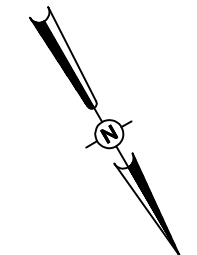
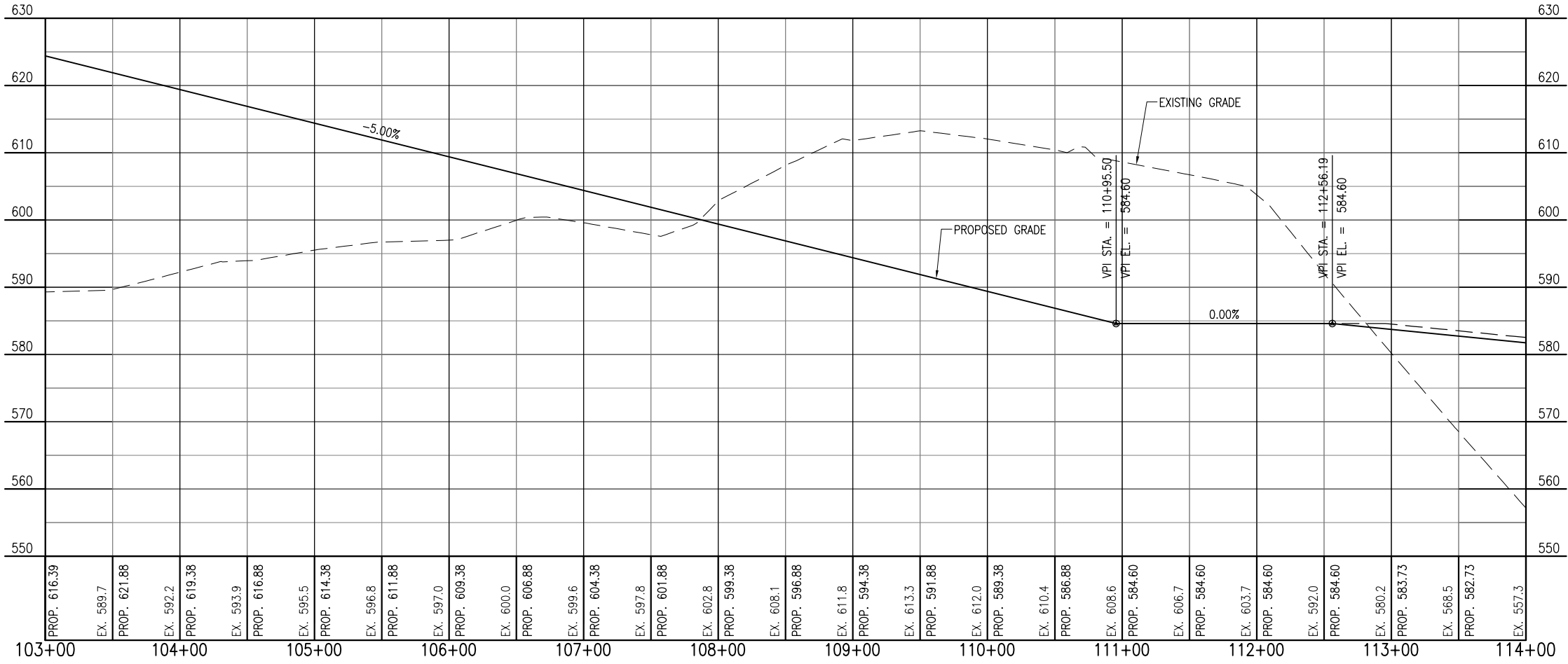
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Filename: R-701PNP.DWG	DRAWN	BAK	05/24/10
Scale: 1" = 50'	REVIEWED	CAH	03/22/11
Date: 10/28/11			



800' EXTENSION TO RUNWAY END 31

PROPOSED PLAN AND PROFILE
 STA. 93+00 TO STA. 103+00

NOV 11, 2011 2:53 PM HAGL000382
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LEGEND

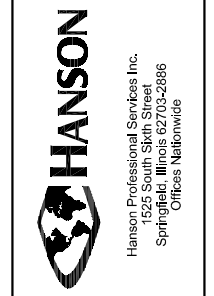
	EXISTING IMPROVEMENTS
	FUTURE IMPROVEMENTS

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

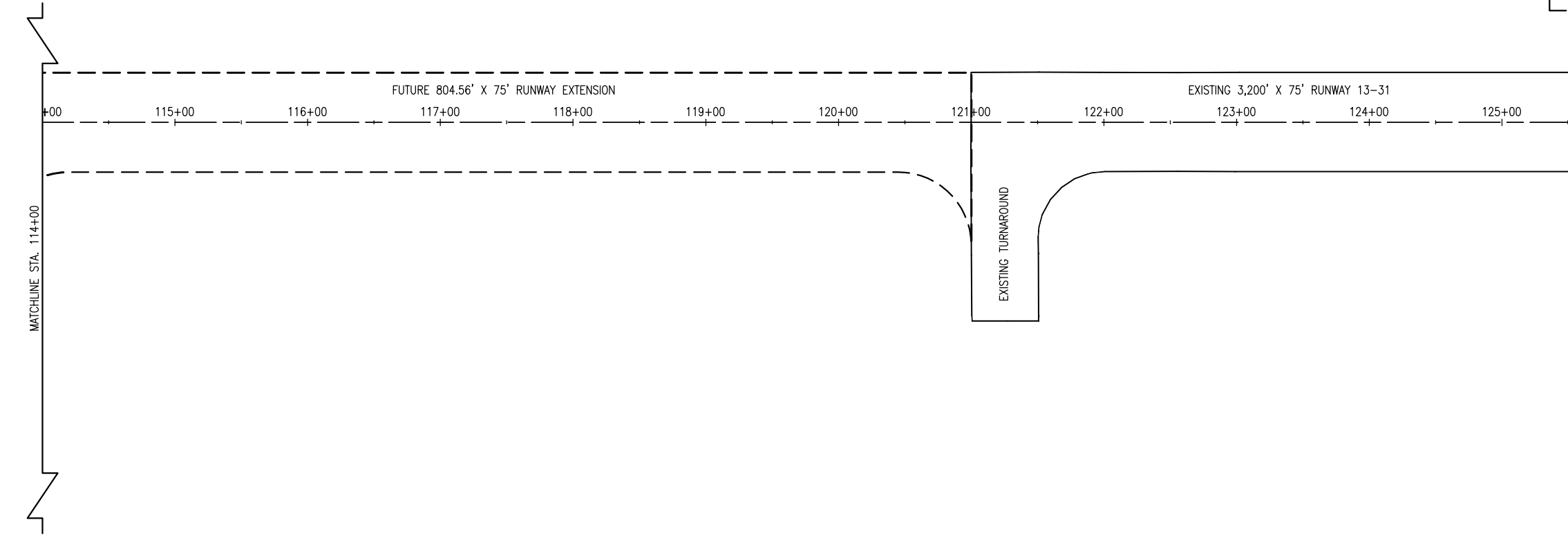
Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-701PNP.DWG	DRAWN	BAK	05/24/10
Scale 1" = 50'	REVIEWED	CAH	03/22/11
Date 10/28/11			



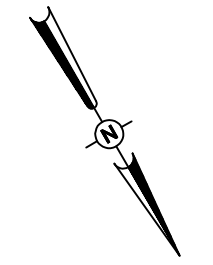
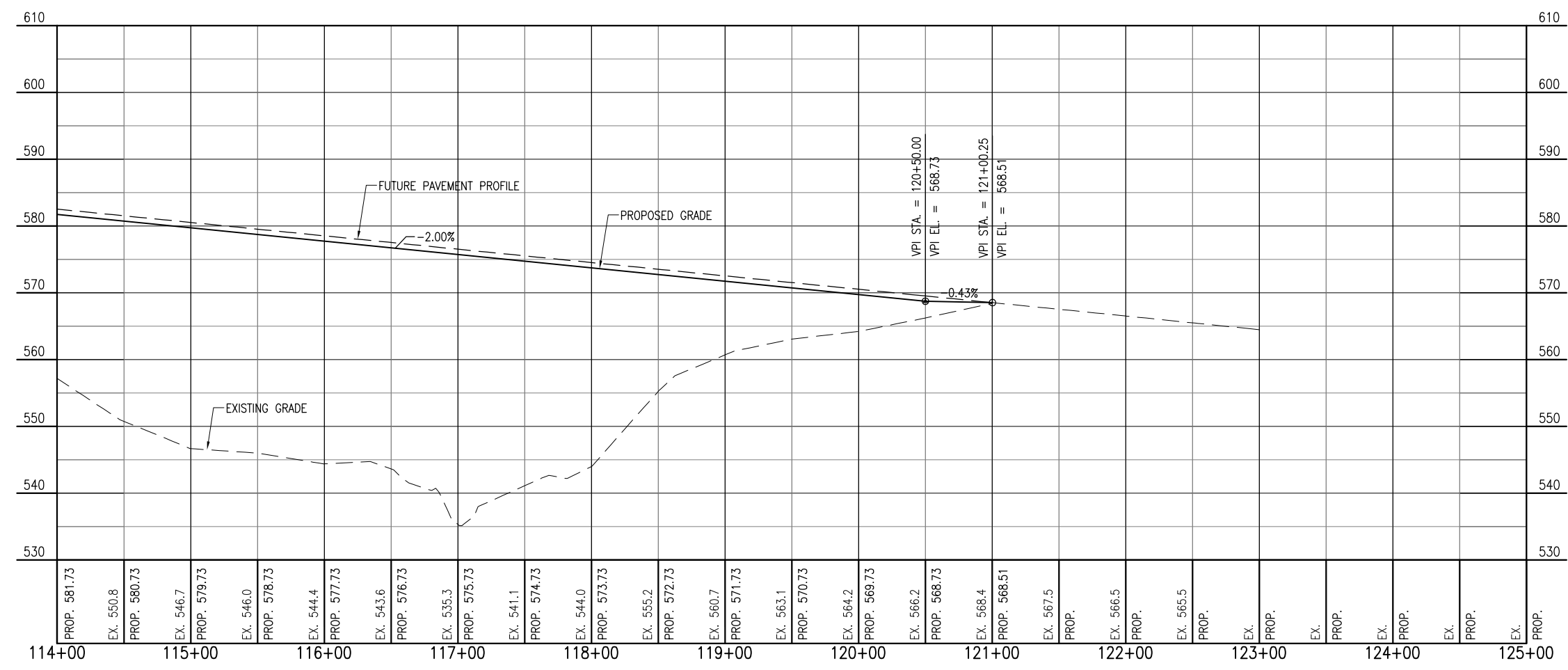
800' EXTENSION TO RUNWAY END 31

PROPOSED PLAN AND PROFILE STA.103+00 TO STA. 114+00

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LEGEND MA024
 [---] FUTURE IMPROVEMENTS

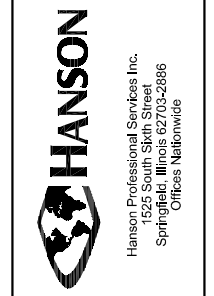


0' 25' 50' 100'
 HALF SIZE SCALE: 1" = 100'
 FULL SIZE SCALE: 1" = 50'

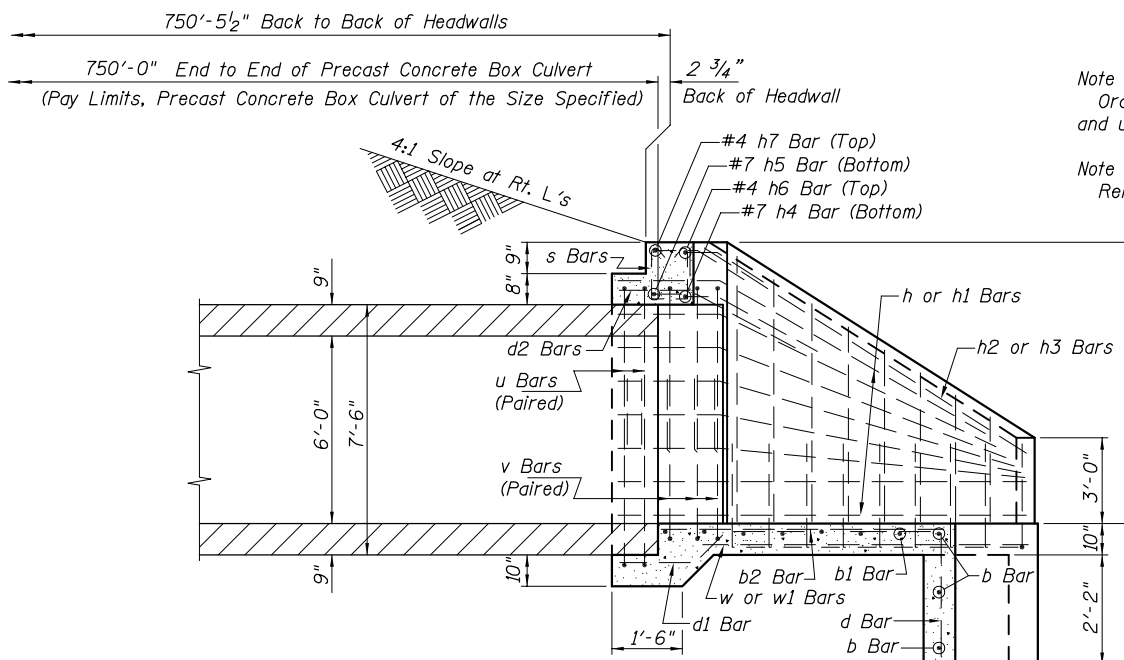
DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS
 IL PROJ.: C75-3889 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename: R-701PMP.DWG	DRAWN	BAK	05/24/10
Scale: 1" = 50'	REVIEWED	CAH	03/22/11
Date: 10/28/11			

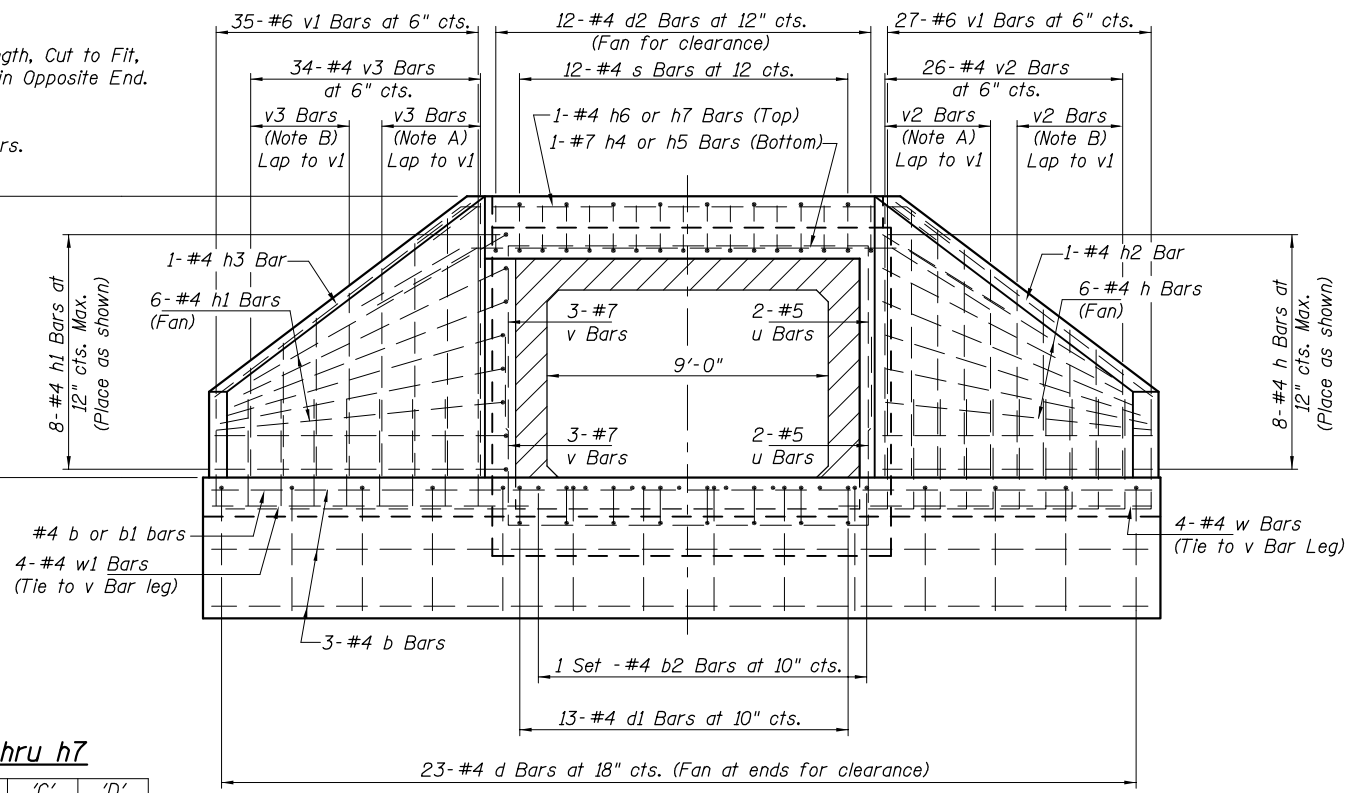


800' EXTENSION TO RUNWAY END 31
PROPOSED PLAN AND PROFILE STA. 114+00 TO STA. 125+00



Note A:
Order v2 and v3 Bars full Length, Cut to Fit, and use Remainder of Cut Bars in Opposite End.

Note B:
Remainder of Cut v2 or v3 Bars.



SECTION 'A'- 'A'
(Along C of Culvert)

END VIEW

REINFORCEMENT TABLE

BAR - d1

Bars h4 thru h7

Bar	'A'	'B'	'C'	'D'
h4	12'-0"	2'-0"	16 1/8"	19 3/8"
h5	11'-7"	2'-0"	16 1/8"	19 3/8"
h6	12'-0"	2'-0"	16 1/8"	19 3/8"
h7	11'-7"	2'-0"	16 1/8"	19 3/8"

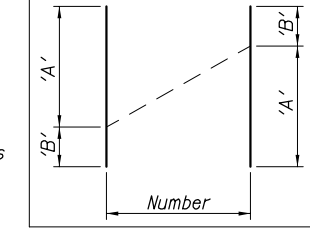
Cut and Reuse Table

Bar	Number	'A'	'B'
v2	13	7'-10"	2'-11"
v3	17	7'-11"	2'-9"
-	-	-	-
-	-	-	-

(One End Section)

Bar	No.	Size	Length	Shape
b	3	#4	33'-5"	
b1	1 Set	#4	274'-3"	
b2	1 Set	#4	157'-4"	
-	-	-	-	-
d	23	#4	6'-8"	
d1	13	#4	4'-11"	
d2	12	#4	3'-10"	
-	-	-	-	-
h	8	#4	13'-10"	
h1	8	#4	19'-6"	
h2	1	#4	14'-9"	
h3	1	#4	17'-7"	
h4	1	#7	16'-0"	
h5	1	#7	15'-7"	
h6	1	#4	16'-0"	
h7	1	#4	15'-7"	
-	-	-	-	-
s	12	#4	3'-10"	
-	-	-	-	-
u	4	#5	21'-6"	
-	-	-	-	-
v	6	#7	10'-10"	
v1	62	#6	9'-3"	
v2	13	#4	10'-9"	
v3	17	#4	10'-8"	
-	-	-	-	-
w	4	#4	12'-9"	
w1	4	#4	15'-9"	
-	-	-	-	-

Cutting Diagram



GENERAL NOTES

Build tops of headwalls parallel to grade line.

If embankment slope above headwall is flatter than 2:1, provide wings for 2:1 slope.

Reinforcement Bars shall conform to the requirements of ASTM A706 Gr. 60. See Illinois Department of Transportation Supplemental Specifications and recurring Special Provisions.

Reinforcement Bar Clearances are as follows:
Top Slab - 1/2" (Top & Bottom)
Bottom Slab - 2" (Top and Bottom)
Walls - 1/2" (Each Face)

The following quantities are for 1 (one) Concrete End Section and are for estimation purposes only. The end section shall be paid for at the unit price each for 6'x9' Box Culvert Headwall.
Cubic Yards of Concrete = 16.7 Cu. Yds.
Pounds of Reinforcement bars = 2228 Lbs.

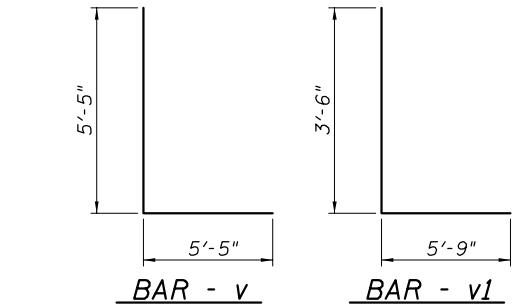
For construction requirements, See Article 542.07 (a) of the Illinois Department of Transportation, Standard Specifications for Road and Bridge Construction.

DESIGN STRESSES

f_y = 60,000 psi
f'c = 3,500 psi

MINIMUM BAR LAPS

#5 Bar = 2'-2"
#7 Bar = 3'-5"



BAR - s

BAR - u

PLAN

BAR - d2

BAR - d

BAR - h1

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I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT SHEETS\R-132DRN.DWG - CAST-IN-PLACE CONCRETE HEADWALL

BY	REVISION	DATE

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

A.I.P. PROJ.: 3-17-0059-B12
I.L. PROJ.: CT5-3989

Project No.	09A0169D_0800
Filename	R-132DRN.DWG
Scale	1" = 5'
Date	10/28/11
LAYOUT	MDR 05/24/10
DRAWN	MDR 05/24/10
REVIEWED	CAH xx/xx/xx



Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2866
Offices Nationwide

800' EXTENSION TO
RUNWAY END 31

6' X 9' BOX CULVERT
HEADWALL DETAIL

12° Lt. Fwd. SKEW
72" HIGH x 108" WIDE
Runway STATION 116+55.70

DATE	REVISION	BY
11/14/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: J-17-0059-B12

DATE	REVISION	BY
05/24/10	JFO	JFO
05/24/10	BAK	BAK
xx/xx/xx	CAH	xx/xx/xx

HANSON

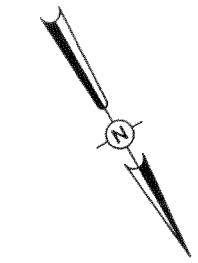
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62705-2886
Offices Nationwide

**800' EXTENSION TO
RUNWAY END 31**

PROPOSED STAKING PLAN
STA. 95+00 TO STA. 109+00

EARTHWORK DISTRIBUTION

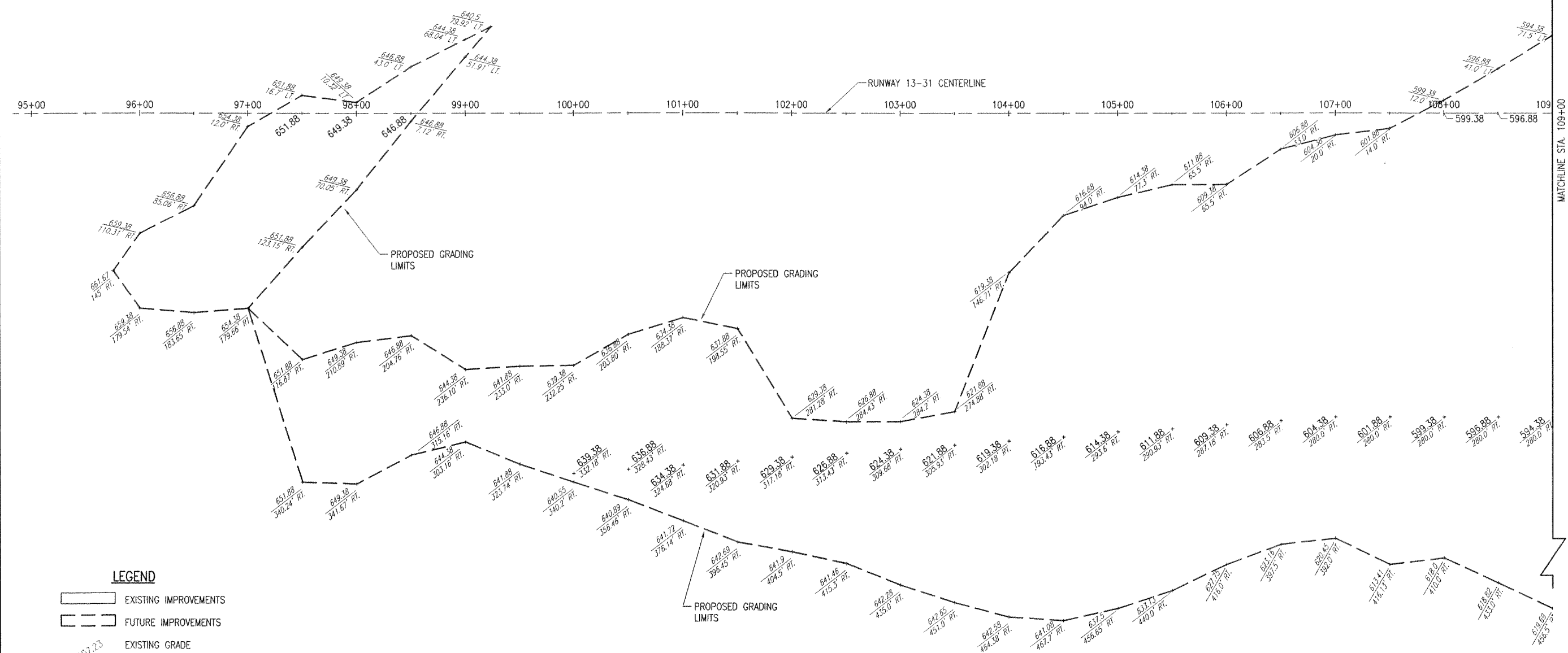
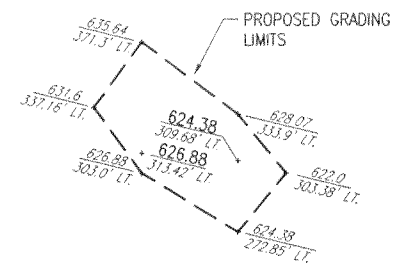
BASE BID	ADDITIVE ALTERNATE NO. 1
CUT - 239,971 C.Y.	CUT - 32,480 C.Y.
FILL - 185,552 C.Y.	FILL - 30,679 C.Y.
SHRINKAGE FACTOR - 1.293	SHRINKAGE FACTOR - 1.26



0' 25' 50' 100'

HALF SIZE SCALE: 1" = 100'

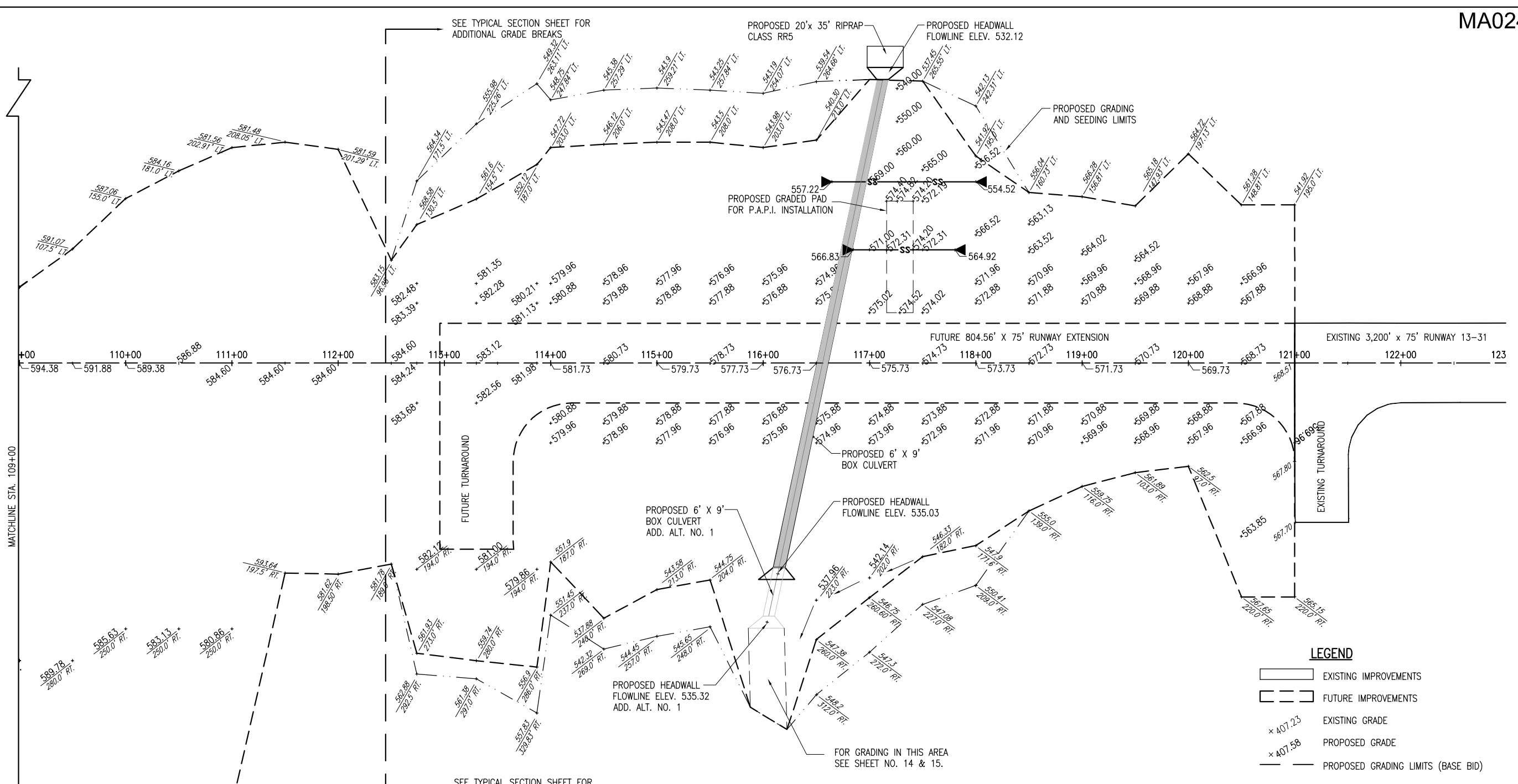
FULL SIZE SCALE: 1" = 50'



LEGEND

	EXISTING IMPROVEMENTS
	FUTURE IMPROVEMENTS
	EXISTING GRADE
	PROPOSED GRADE
	PROPOSED GRADING AND SEEDING LIMITS

NOV 14, 2011 4:55 PM HANCO000382
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LEGEND

- EXISTING IMPROVEMENTS
- - - FUTURE IMPROVEMENTS
- × 407.23 EXISTING GRADE
- × 407.58 PROPOSED GRADE
- PROPOSED GRADING LIMITS (BASE BID)
- - - PROPOSED GRADING LIMITS (ADD. ALT. NO. 1)

EARTHWORK DISTRIBUTION NOTES

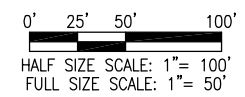
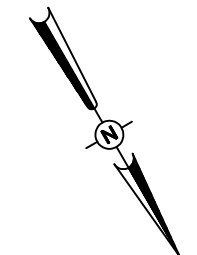
ALL UNCLASSIFIED EXCAVATED MATERIAL FOR THIS PROJECT WILL BE EXCAVATED ON THE AIRPORT SITE WITHIN THE LIMITS OF THE PROPOSED CONSTRUCTION.

A SOIL BORING WAS TAKEN AT APPROXIMATELY 300' RIGHT STATION 109+00. THE RESULTS OF THAT BORING IS LOCATED WITHIN THE SPECIAL PROVISIONS. THE DEPTH OF THE SOIL BORING WAS THIRTY FEET.

BASE BID
 THE AMOUNT OF UNCLASSIFIED EXCAVATION CUT - 239,971 C.Y.
 THE AMOUNT OF UNCLASSIFIED EXCAVATION FILL - 185,552 C.Y.
 SHRINKAGE/LOSS FACTOR - 1.293

ADDITVE ALTERNATE NO. 1
 THE AMOUNT OF UNCLASSIFIED EXCAVATION CUT - 32,480 C.Y.
 THE AMOUNT OF UNCLASSIFIED EXCAVATION FILL - 30,679 C.Y.
 SHRINKAGE/LOSS FACTOR - 1.26

ALL EARTHWORK WILL BE CLASSIFIED AS:
 AR152410 "UNCLASSIFIED EXCAVATION" PER C.Y.



DATE	REVISION	BY
11/14/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

FILENAME	DATE	REVIEWED	DATE
Hanson Project No. 09A0169D_0800	10/28/11	CAH	03/22/11
R-191STK.DWG	05/24/10	BAK	05/24/10
	05/24/10	CAH	03/22/11

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



800' EXTENSION TO RUNWAY END 31
PROPOSED STAKING PLAN
 STA. 109+00 TO STA. 123+00

DEC 13, 2011 1:25 PM HAGL000382
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CLEARING AND GRUBBING NOTES

THE AREAS DESIGNATED FOR CLEARING AND GRUBBING ARE SHOWN ON THIS SHEET. ALL OF THESE AREAS ARE LOCATED ON EXISTING AIRPORT PROPERTY.

ALL CLEARING AND GRUBBING WILL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER.

ALL AREAS DESIGNATED FOR CLEARING AND GRUBBING ARE SHOWN ON THIS SHEET AS  OR .

TWO WEEKS BEFORE BEGINNING CLEARING AND GRUBBING OPERATIONS THE CONTRACTOR WILL NOTIFY ADJACENT LAND OWNERS AS TO WHAT HIS CONSTRUCTION METHODS WILL BE.

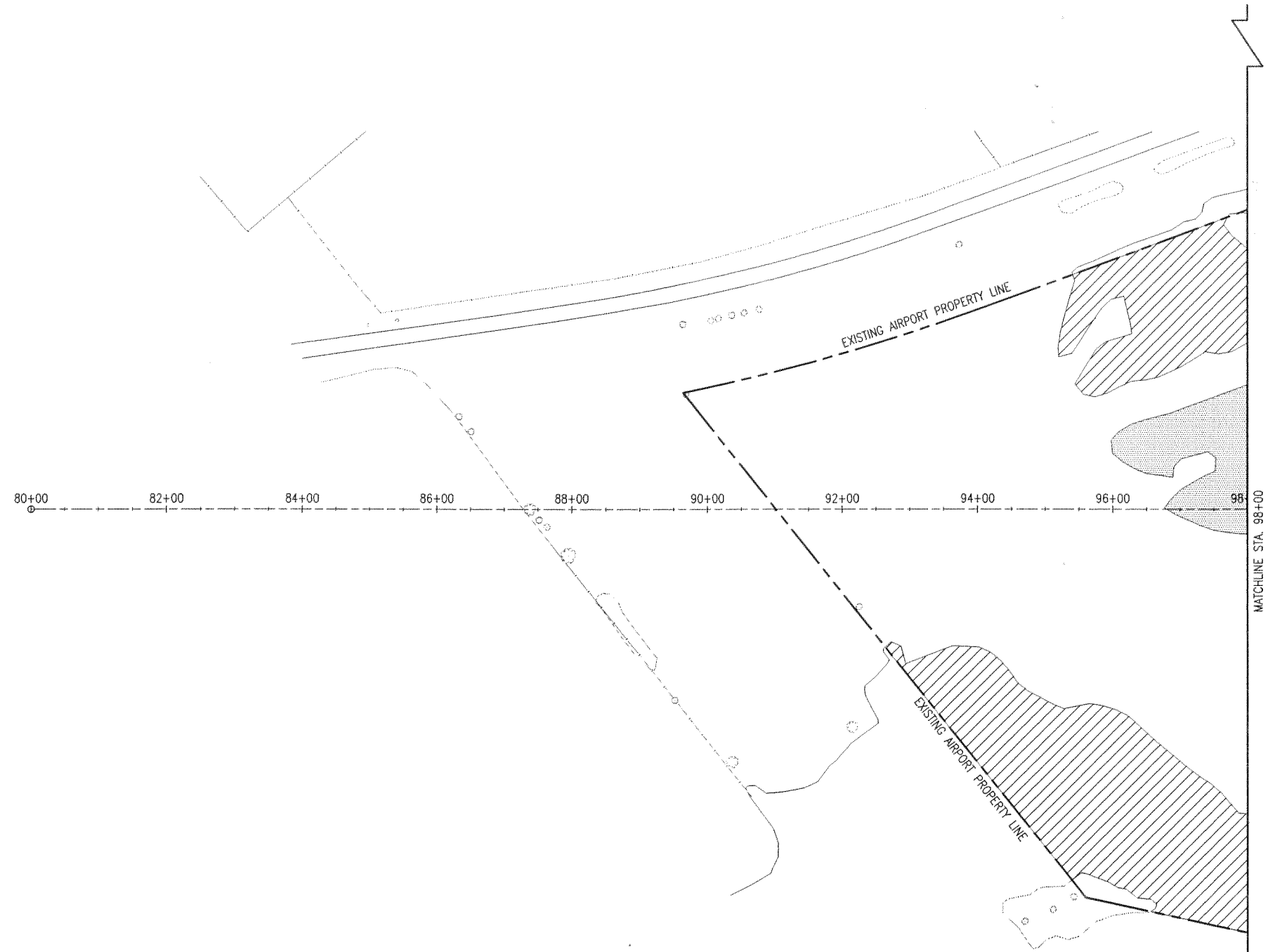
IF PERMITTED BY THE PERTINENT GOVERNING AUTHORITIES, THE CONTRACTOR MAY BURN AND BURY THE CLEARED TREES ON AIRPORT PROPERTY. IF BURNING AND BURIAL IS NOT PERMITTED, THE CONTRACTOR MUST DISPOSE OF THE TREES OFF THE AIRPORT PROPERTY. THE BURNING AND BURIAL LOCATION OF THE TREES WILL BE APPROVED BY THE ENGINEER.

THERE WILL BE AT LEAST TWO FEET OF EARTH PLACED OVER THE BURIED MATERIAL. ALL BURIAL AREAS WILL BE GRADED AND SEEDDED.







ALL AREAS BEING CLEARED AND GRUBBED WILL BE SMOOTH GRADED, SEEDED AND MULCHED IN ACCORDANCE WITH ITEM 901 "SEEDING" AND ITEM 908 "MULCHING".

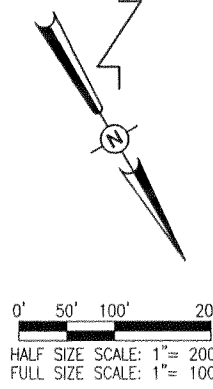
CLEARING, GRUBBING AND DISPOSAL OF THE DESIGNATED AREAS WILL BE PAID FOR UNDER: ITEM AR151451 "CLEARING AND GRUBBING 0" - 6" " 13.7 ACRES.
AR151452 "CLEARING AND GRUBBING 6" - MORE THAN 2' " 23.7 ACRES.

THERE IS A UNDETERMINED AMOUNT OF FENCE THAT WILL BE REMOVED. THE REMOVAL OF THIS FENCE WILL BE CONSIDERED INCIDENTAL TO THE CLEARING AND GRUBBING.



LEGEND

-  EXISTING PROPERTY LINE
-  EXISTING FENCE
-  EXISTING FENCE (TO BE REMOVED)
-  EXISTING TREE LINE
-  PROPOSED TYPE 1 CLEARING AREA (0" - 6")
-  PROPOSED TYPE 2 CLEARING AREA (6" - MORE THAN 2')



MA024

DATE	REVISION	BY
11/15/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
LACON, ILLINOIS**

IL PROJ.: C75-3889 A.I.P. PROJ.: 3-17-0059-B12

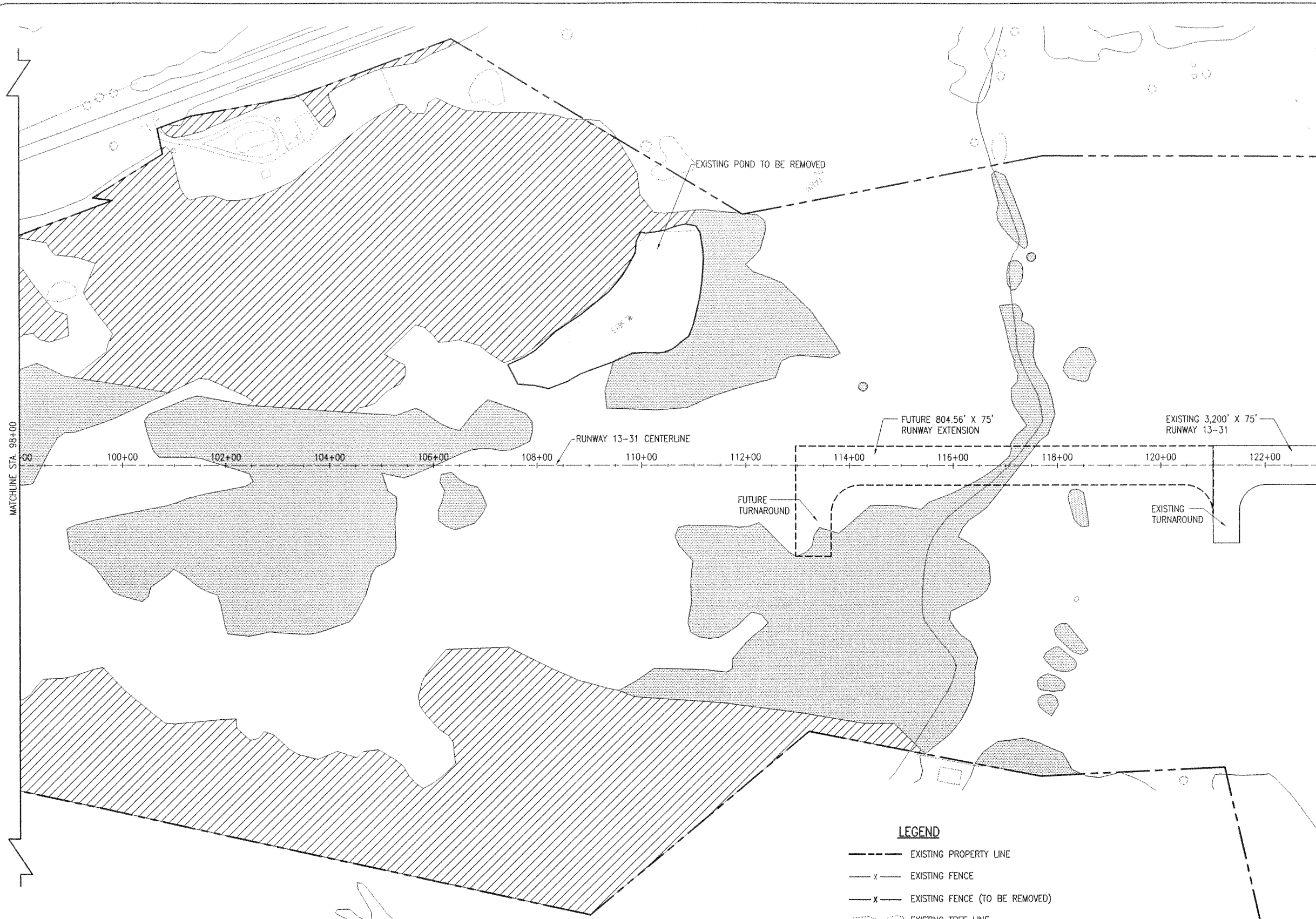
Hanson Project No. 09A0169D_0800	
Filename: R-201CLR.DWG	Date: 10/28/11
Scale: 1" = 100'	
LAYOUT	BAK 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/22/11

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Offices Nationwide

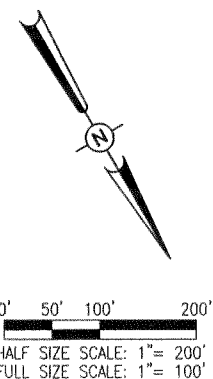
800' EXTENSION TO
RUNWAY END 31

PROPOSED CLEARING
PLAN STA. 97+00 TO
STA. 111+00

NOV 15, 2011 7:37 AM H:\C\000382
 \AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-201CLR.DWG - PROPOSED CLEARING PLAN STA. 111+00 TO STA. 125+00



- LEGEND**
- EXISTING PROPERTY LINE
 - x- EXISTING FENCE
 - x- EXISTING FENCE (TO BE REMOVED)
 - ~ EXISTING TREE LINE
 - ▨ PROPOSED TYPE 1 CLEARING AREA (0" - 6")
 - ▩ PROPOSED TYPE 2 CLEARING AREA (6" - MORE THAN 2')



MA024

EXISTING POND REMOVAL NOTES

THE DRAINAGE OF THE EXISTING POND WILL REQUIRE REMOVAL OF THE EARTH MATERIAL FORMING THE DAM. THE DEPTH OF WATER SHALL BE LOWERED AT A RATE OF NO GREATER THAN 2 FT/DAY TO ALLOW THE POND TO DRAIN GRADUALLY AND NOT INUNDATE ADJACENT PROPERTIES WITH THE ENTIRE VOLUME OF WATER CONTAINED IN THE POND. ONCE DRAINAGE OF THE POND IS COMPLETE, THE CONTRACTOR WILL COMPLETELY REMOVE THE EARTHEN DAM. THE MATERIAL FROM THE DAM WILL BE USED TO CONSTRUCT THE PROPOSED EMBANKMENTS NOT UNDER ANY PROPOSED OR FUTURE PAVEMENT.

THE CONTRACTOR WILL ALLOW THE EXISTING POND BOTTOM TO DRY OUT AND WILL RESHAPE IT TO FACILITATE DRAINAGE THROUGH THE POND AREA.

ONCE THE POND HAS BEEN DRAINED, DRIED OUT, AND RESHAPED THE CONTRACTOR WILL SEED AND MULCH THIS AREA.

ALL LABOR, MATERIALS AND EQUIPMENT NEEDED TO DRAIN AND RESHAPE THE EXISTING POND WILL BE PAID FOR UNDER ITEM AR800536 "REMOVE POND" PER LUMP SUM.

THE SEEDING AND MULCHING OF THIS AREA WILL BE PAID FOR UNDER ITEMS 901 AND 908.

DATE	REVISION	BY
11/15/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	
Drawing: R-201CLR.DWG	
Scale: 1" = 100'	Date: 10/28/11
LAYOUT	BAK 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/22/11

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**800' EXTENSION TO
 RUNWAY END 31**
 PROPOSED CLEARING
 PLAN STA. 111+00 TO
 STA. 125+00

901 SEEDING NOTES

THE PROPOSED SEEDING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 901 "SEEDING" AS STATED ON PAGE 324 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED NOVEMBER 2, 2009.

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

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

DATE SEEDING COMPLETED _____

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

908 MULCHING NOTES

THE PROPOSED MULCHING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ITEM 908 "MULCHING" AS STATED ON PAGE 334 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED NOVEMBER 2, 2009.

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

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

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

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

DATE MULCHING COMPLETED _____

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

TEMPORARY SEEDING DATA

THE SEEDING LIMITS ARE SHOWN ON THIS SHEET AND SHEET NO 22. ALL AREAS WITHIN THESE LIMITS SHALL BE SEEDED IN ACCORDANCE WITH THE FOLLOWING FORMULA AND RATES OF APPLICATION.

SEEDING (MINIMUM POUNDS OF PURE LIVE SEED PER ACRE)
PERENNIAL RYEGRASS _____ 50
SPRING OATS* _____ 64

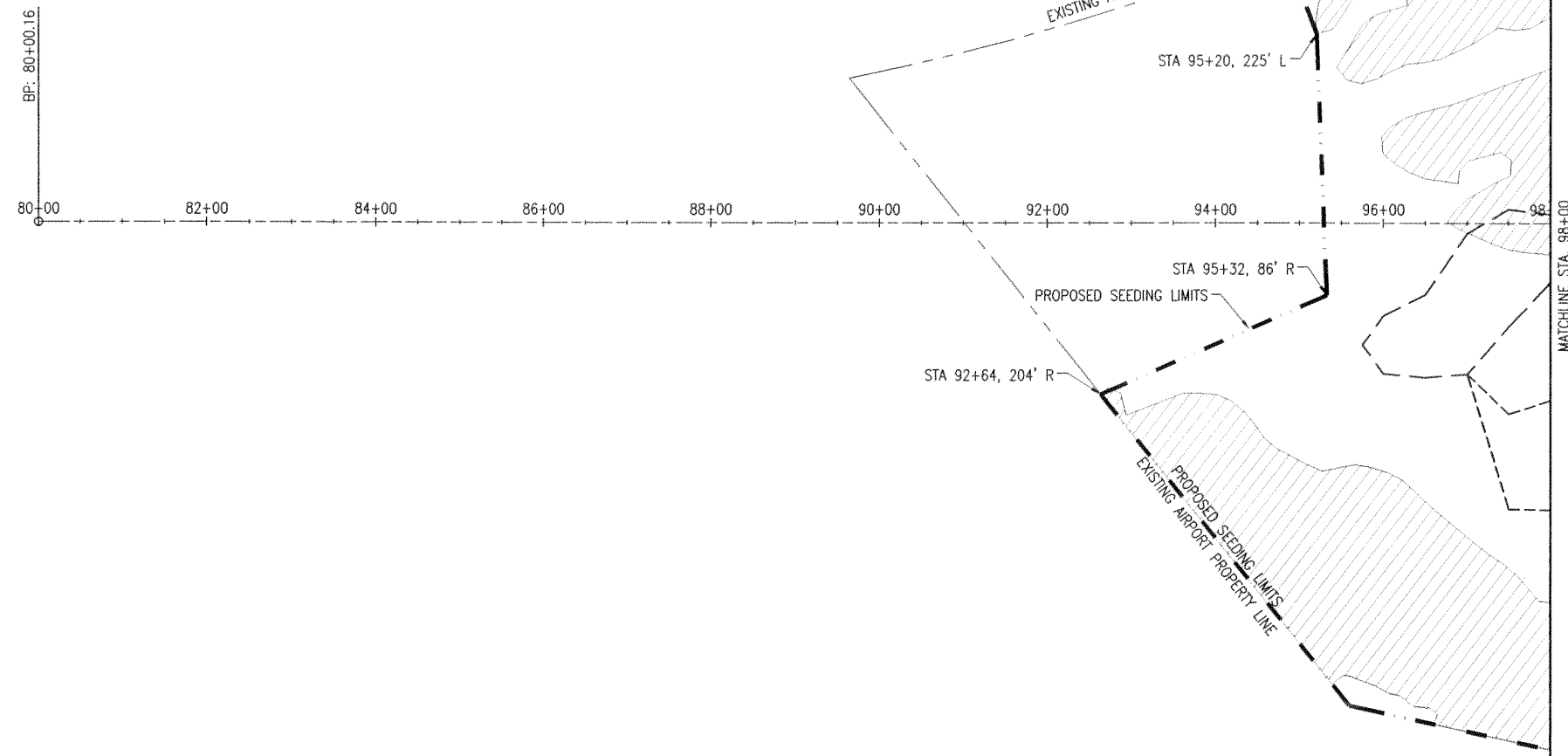
*OTHER SEEDS MAY BE USED IF APPROVED BY THE ENGINEER.
AREA TO BE SEEDED _____ 69.8 ACRES
DATE SEEDING COMPLETED _____

EROSION CONTROL BLANKET NOTES

AN EROSION CONTROL MATERIAL (KNITTED STRAW MAT) WILL BE INSTALLED IN AREAS THAT THE RESIDENT ENGINEER DETERMINES TO BE STEEP ENOUGH TO WARRANT THE EROSION CONTROL MATERIAL.

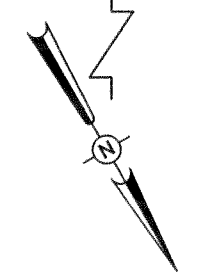
IF THE EROSION CONTROL MATERIAL IS USED, THEN IT WILL REPLACE AN EQUAL AMOUNT OF MULCHING AND THE MULCHING QUANTITY WILL BE REDUCED.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM AR156531 "EROSION CONTROL BLANKET" _____ PER S.Y.



LEGEND

- EXISTING AIRPORT PROPERTY LINE
- PROPOSED SEEDING LIMITS
- PROPOSED GRADING LIMITS (BASE BID)
- PROPOSED GRADING LIMITS (ADD. ALT. NO. 1)
- PROPOSED TREE CLEARING LIMITS



0' 50' 100' 200'
HALF SIZE SCALE: 1" = 200'
FULL SIZE SCALE: 1" = 100'

DATE	REVISION	BY
11/15/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
LACON, ILLINOIS**

Hanson Project No. 09A0169D_0800	
Element: R-202SEED.DWG	
Scale: 1" = 50'	Date: 10/28/11
LAYOUT	MDR 05/24/10
DRAWN	MDR 05/24/10
REVIEWED	CAH 03/22/11

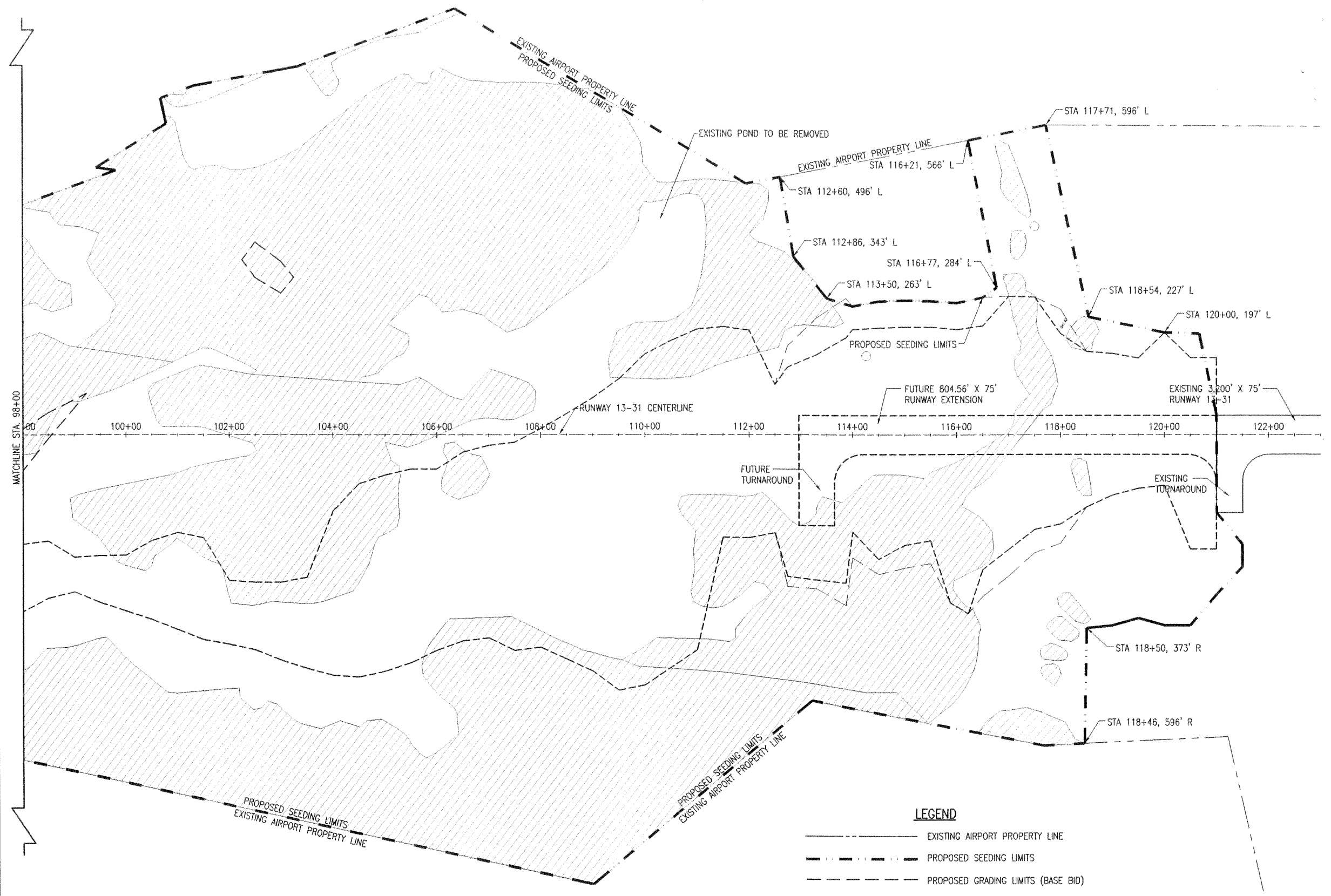


800' EXTENSION TO
RUNWAY END 31

PROPOSED SEEDING PLAN
STA. 97+00 TO STA. 111+00

REV 15, 2011 8:15 AM HAGL000382
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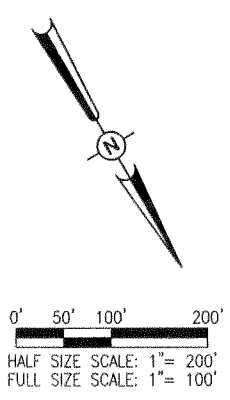
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MATCHLINE STA. 98+00

LEGEND

- — — — — EXISTING AIRPORT PROPERTY LINE
- - - - - PROPOSED SEEDING LIMITS
- - - - - PROPOSED GRADING LIMITS (BASE BID)
- - - - - PROPOSED GRADING LIMITS (ADD. ALT. NO. 1)
- ~~~~~ PROPOSED TREE CLEARING LIMITS



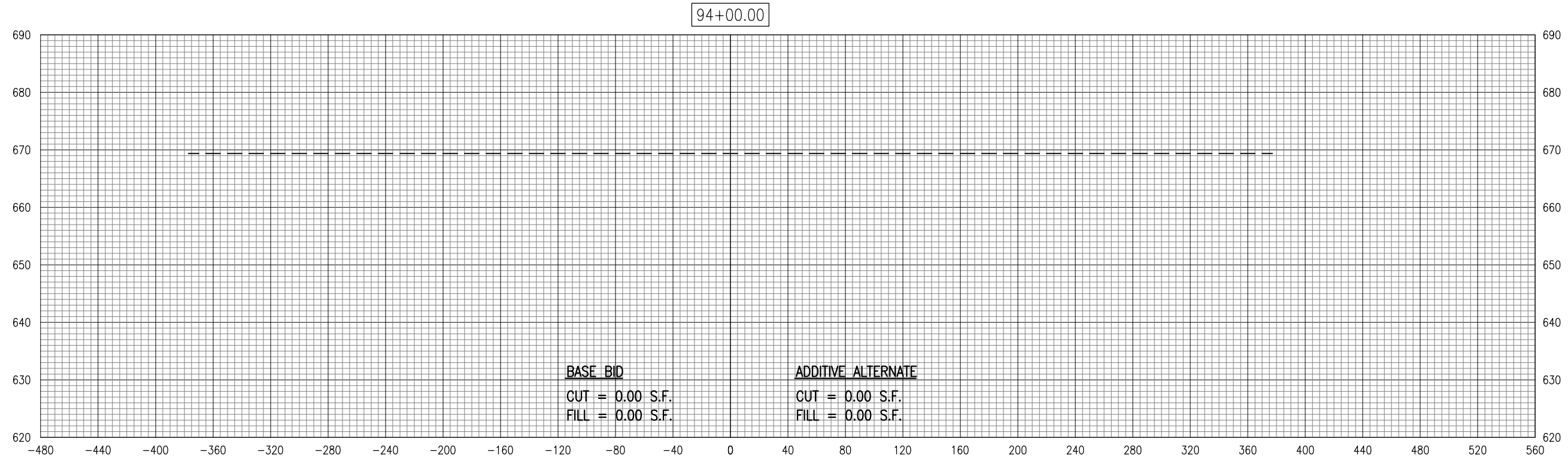
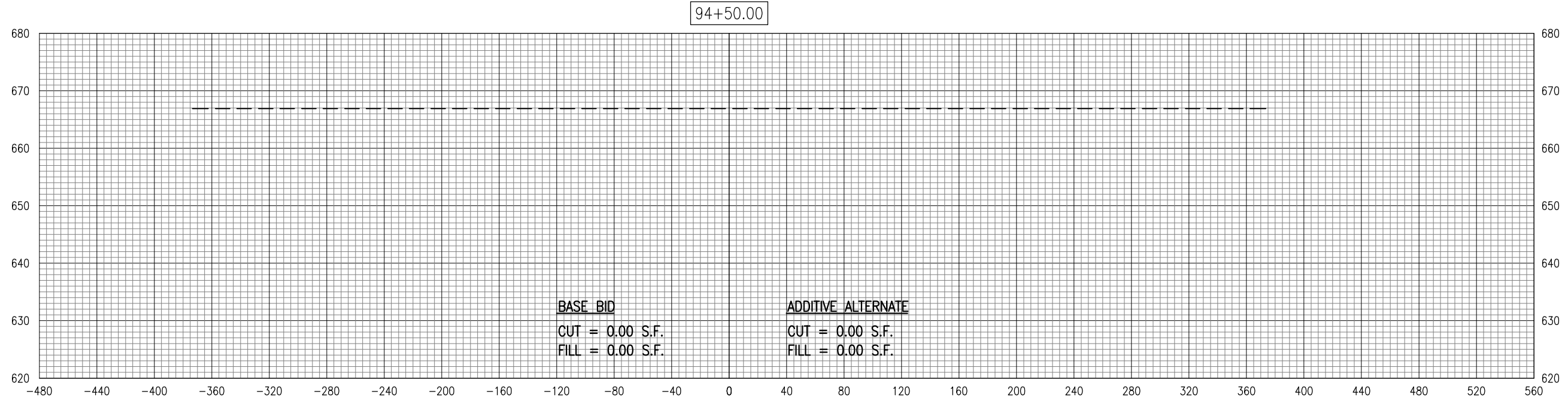
DATE	REVISION	BY
11/15/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS
 I.L. PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

DATE	REVISION	BY
10/28/11		
05/24/10		
05/24/10		
03/22/11		


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800' EXTENSION TO
RUNWAY END 31
 PROPOSED SEEDING PLAN
 STA. 111+00 TO STA. 125+00



DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

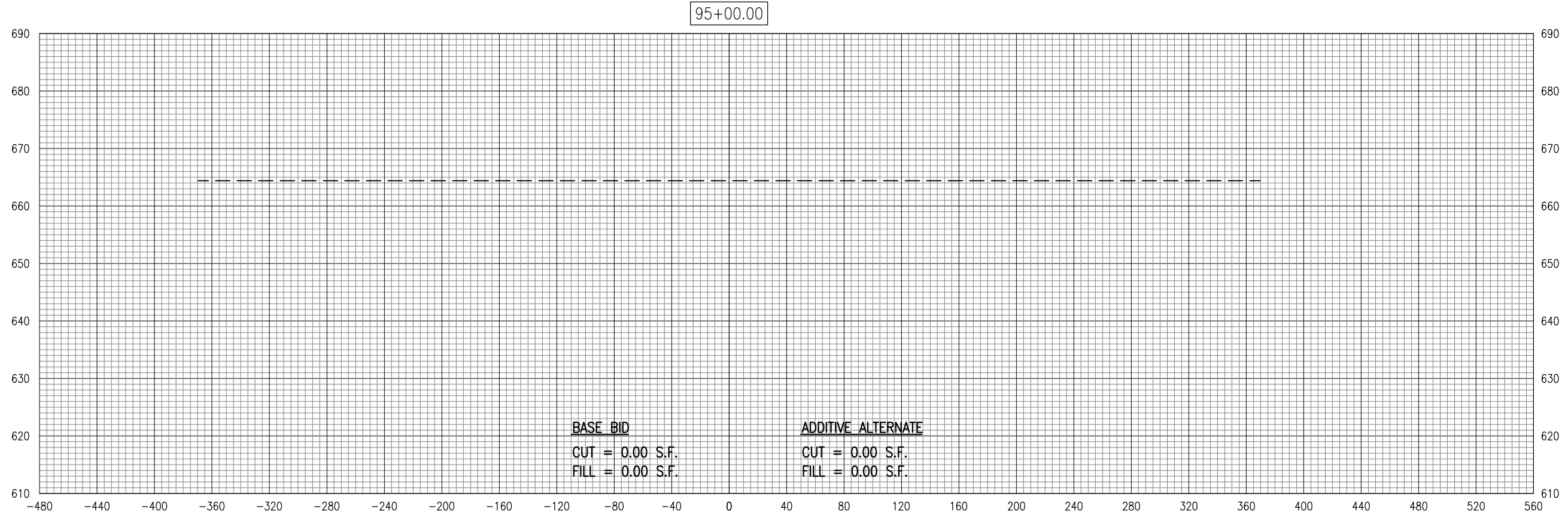
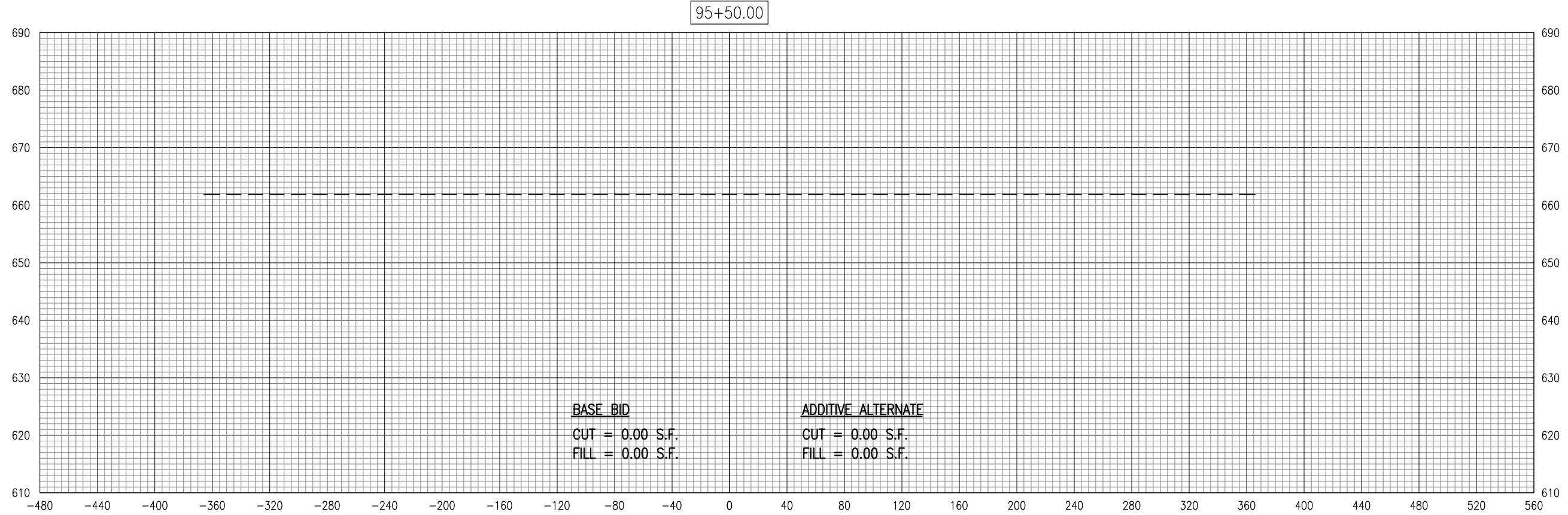
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-301XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		
LAYOUT		
DRAWN		
REVIEWED		



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION STA.
 94+00 TO STA. 94+50



DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

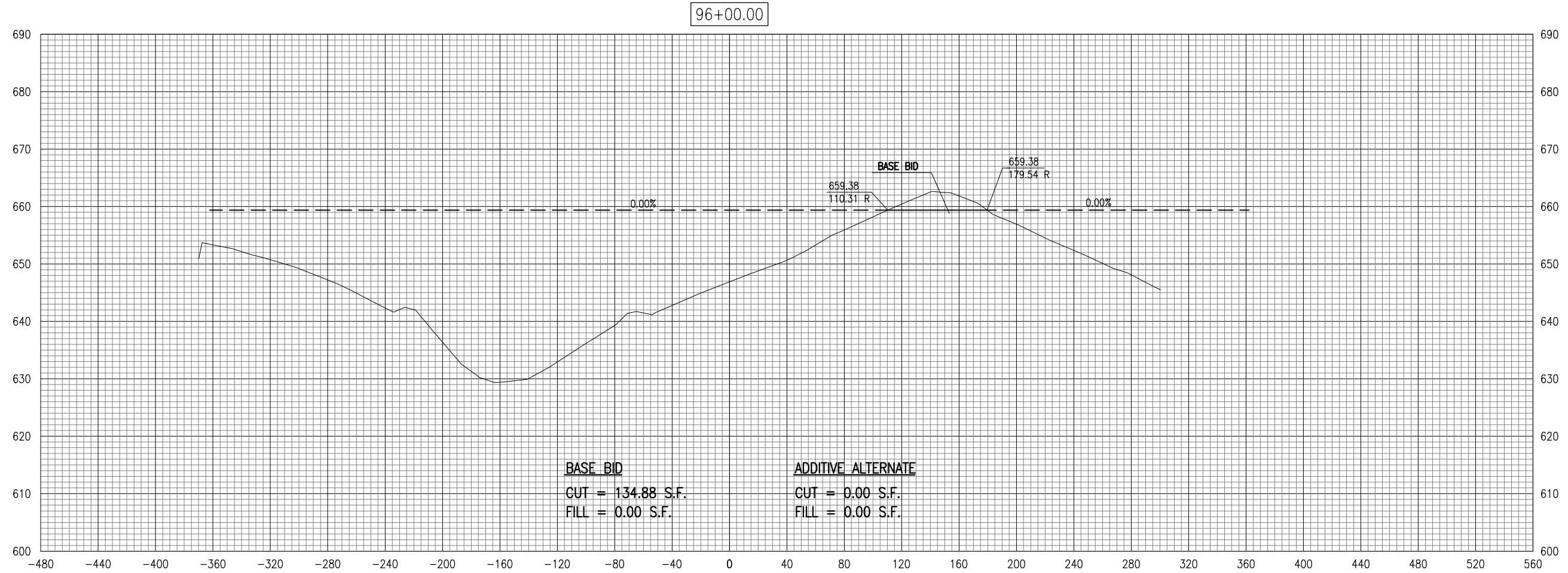
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Filename R-301XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		
LAYOUT		
DRAWN		
REVIEWED		



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION STA.
 95+00 TO STA. 95+50

DEC 13, 2011 9:39 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-301XSEC.DWG - STA. 96+00



BASE BID
 CUT = 134.88 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

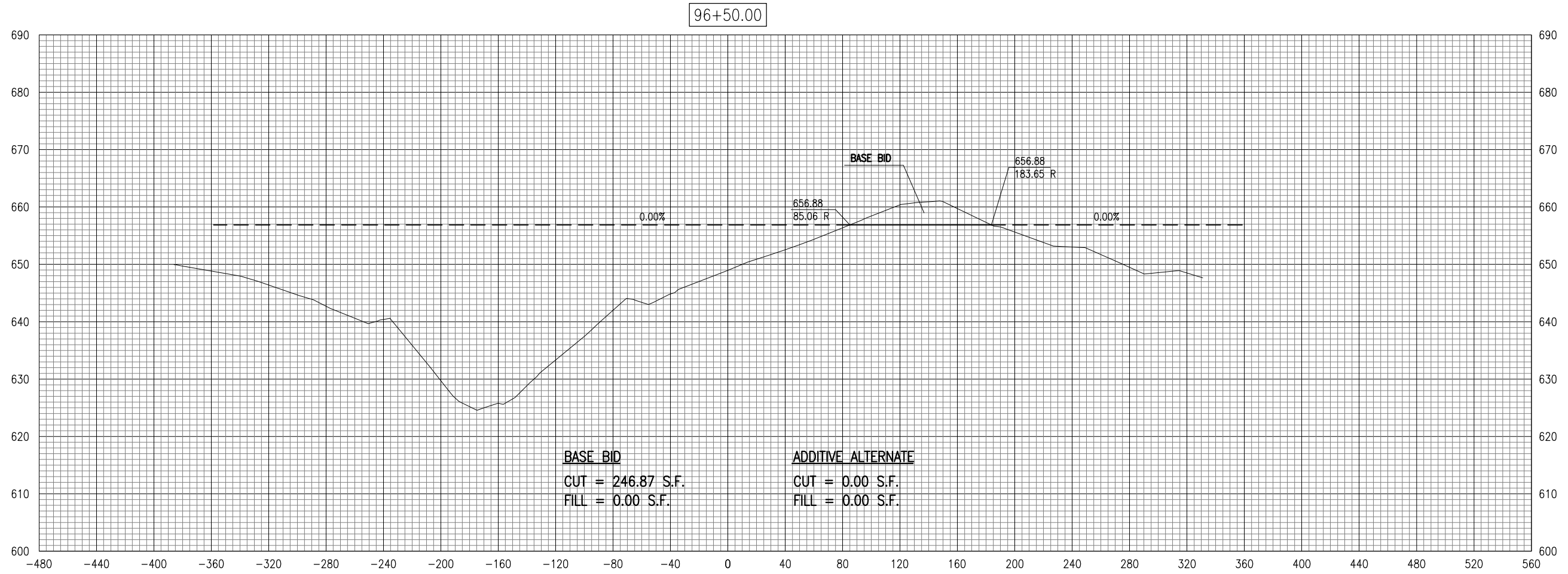
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-301XSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 96+00

DEC 13, 2011 9:40 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-301XSEC.DWG - STA. 96+50



BASE BID
 CUT = 246.87 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

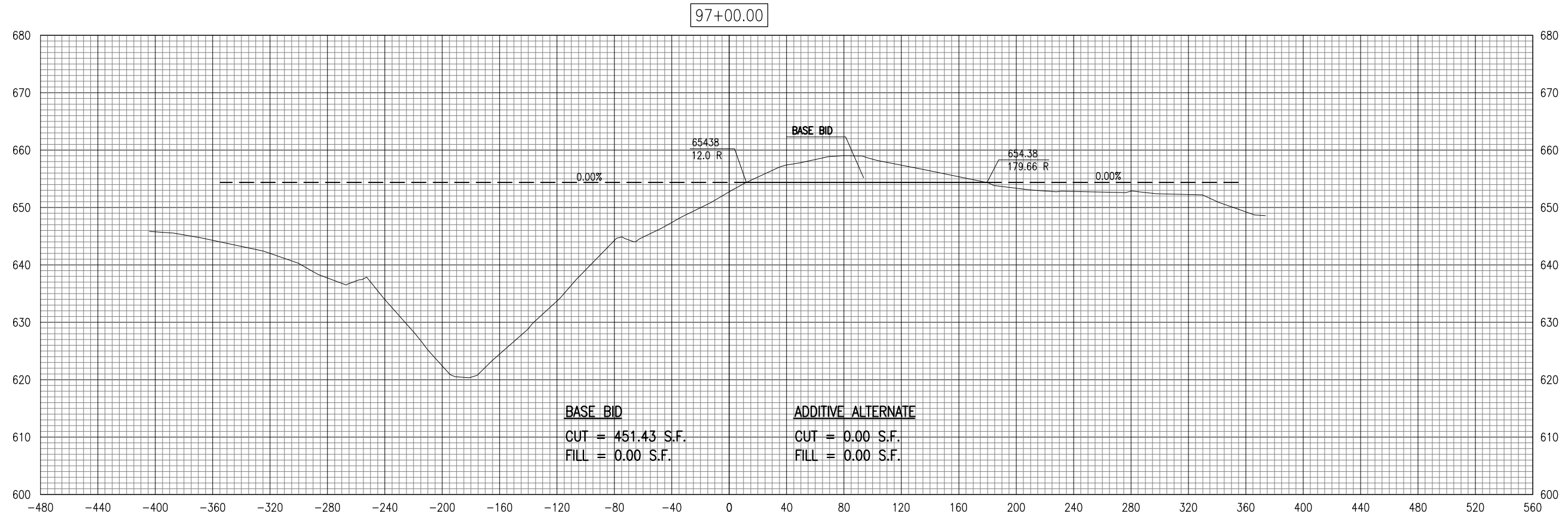
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	
Filename: R-301XSEC.DWG	
Scale: V. 1" = 10' H. 1" = 40'	Date: 10/28/11
LAYOUT	JEO 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/22/11



**800' EXTENSION TO
 RUNWAY END 31**
**CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 96+50**

DEC 13, 2011 9:41 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-301XSEC.DWG - STA. 97+00



BASE BID
 CUT = 451.43 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

97+00.00

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

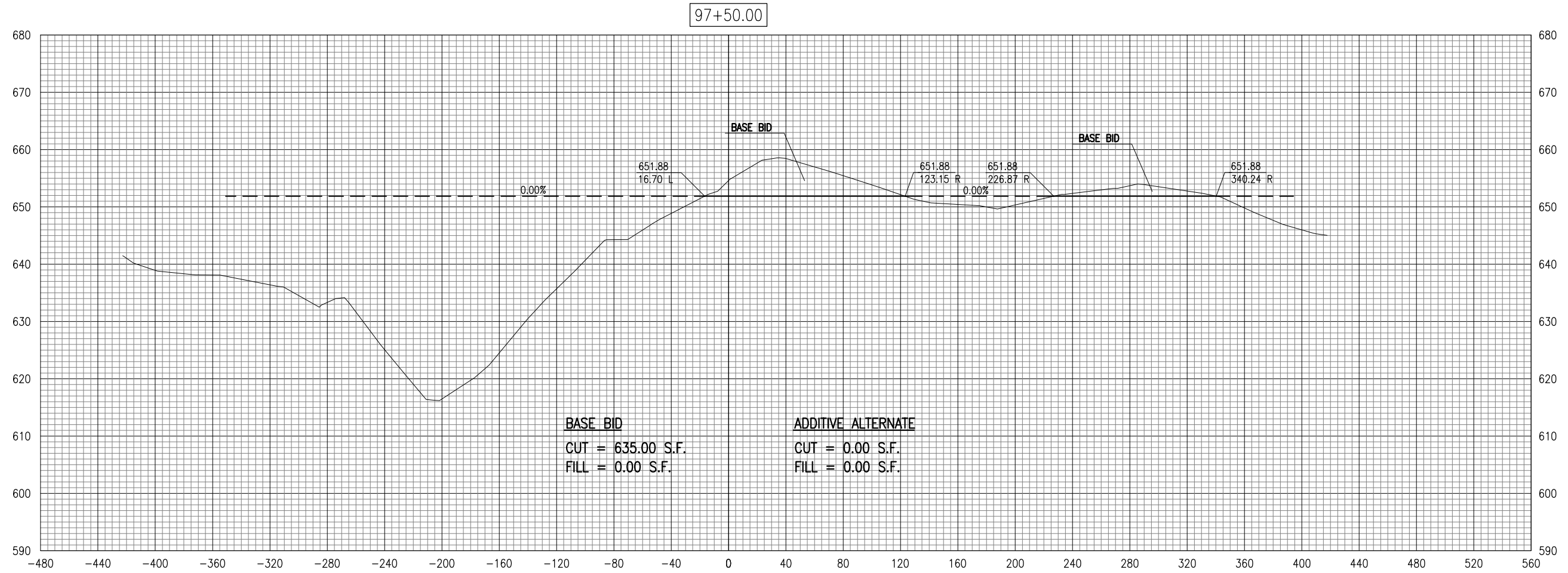
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-301XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		
LAYOUT		
DRAWN		
REVIEWED		



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 97+00

DEC 13, 2011 9:42 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-302XSEC.DWG - STA. 97+50



BASE BID
 CUT = 635.00 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

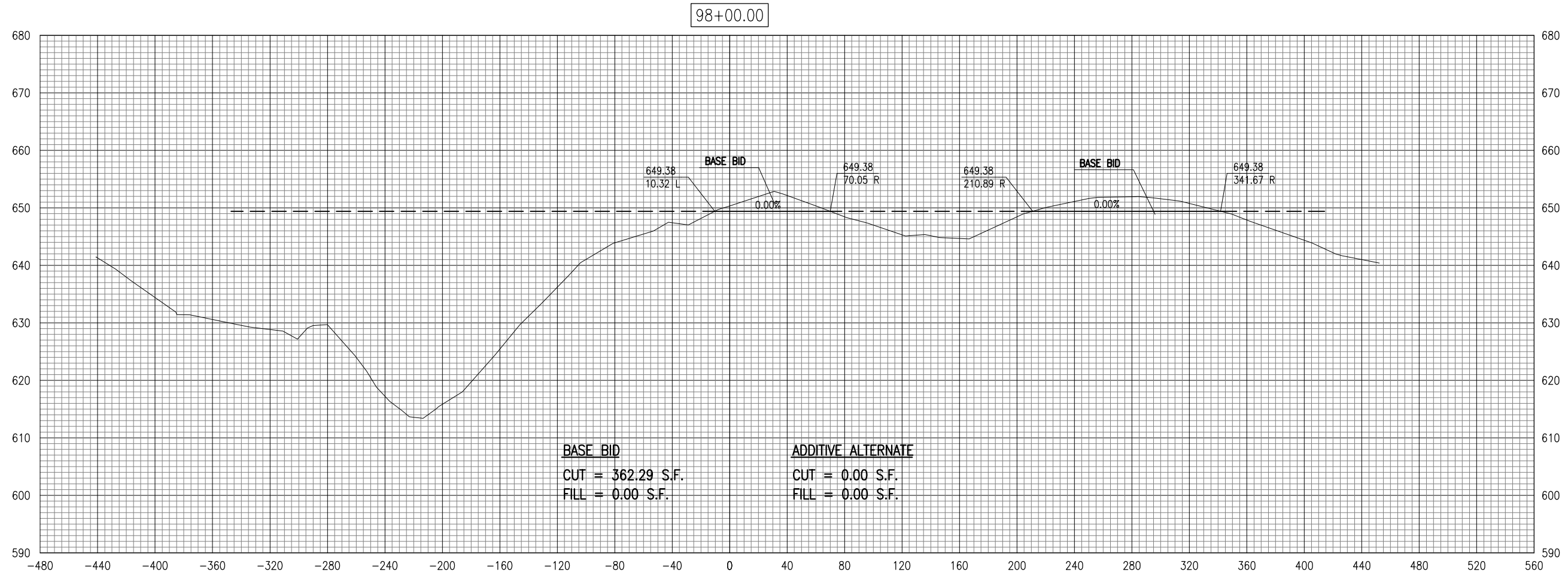
Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-302XSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 97+50

DEC 13, 2011 9:43 AM HAGL000382
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DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

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Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-302XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		

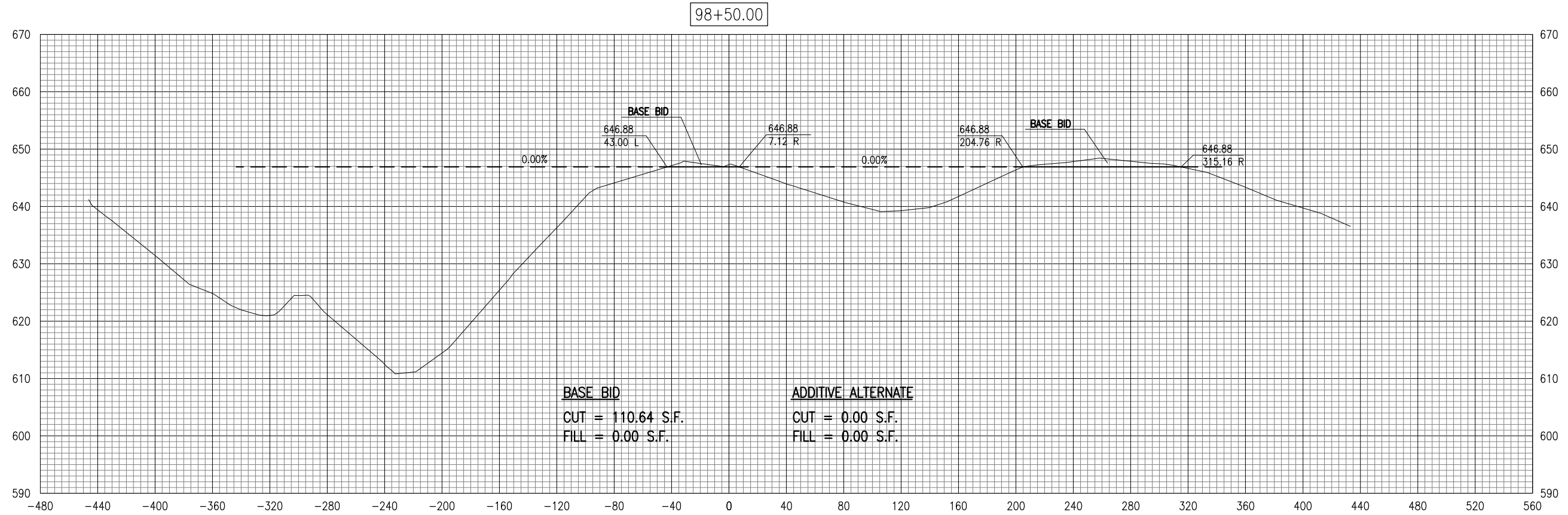


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800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 98+00

DEC 13, 2011 9:43 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-302XSEC.DWG - STA. 98+50



BASE BID
 CUT = 110.64 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

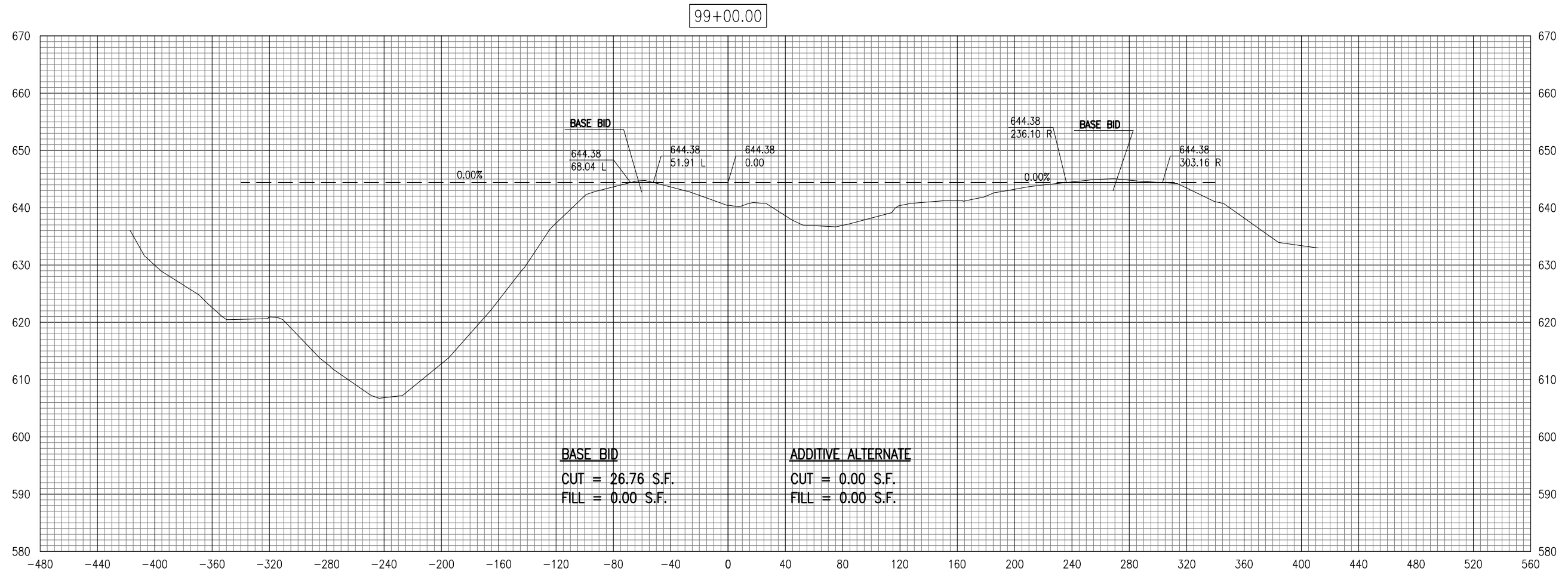
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Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-302XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		
LAYOUT		
DRAWN		
REVIEWED		



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 98+50

DEC 13, 2011 9:44 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-302XSEC.DWG - STA. 99+00



BASE BID
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 FILL = 0.00 S.F.

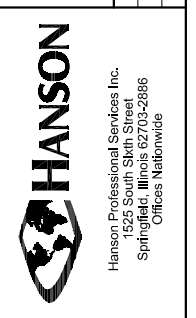
ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

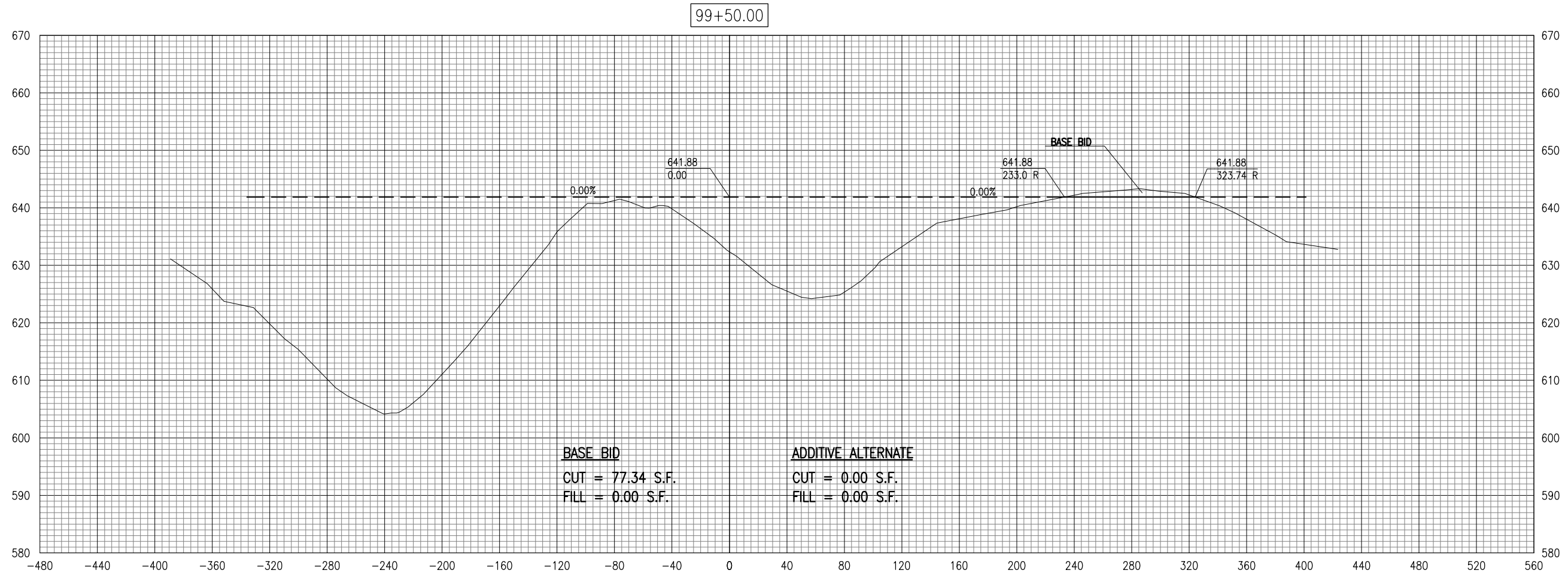
Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-302XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 99+00

DEC 13, 2011 9:45 AM HAGL000382
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DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

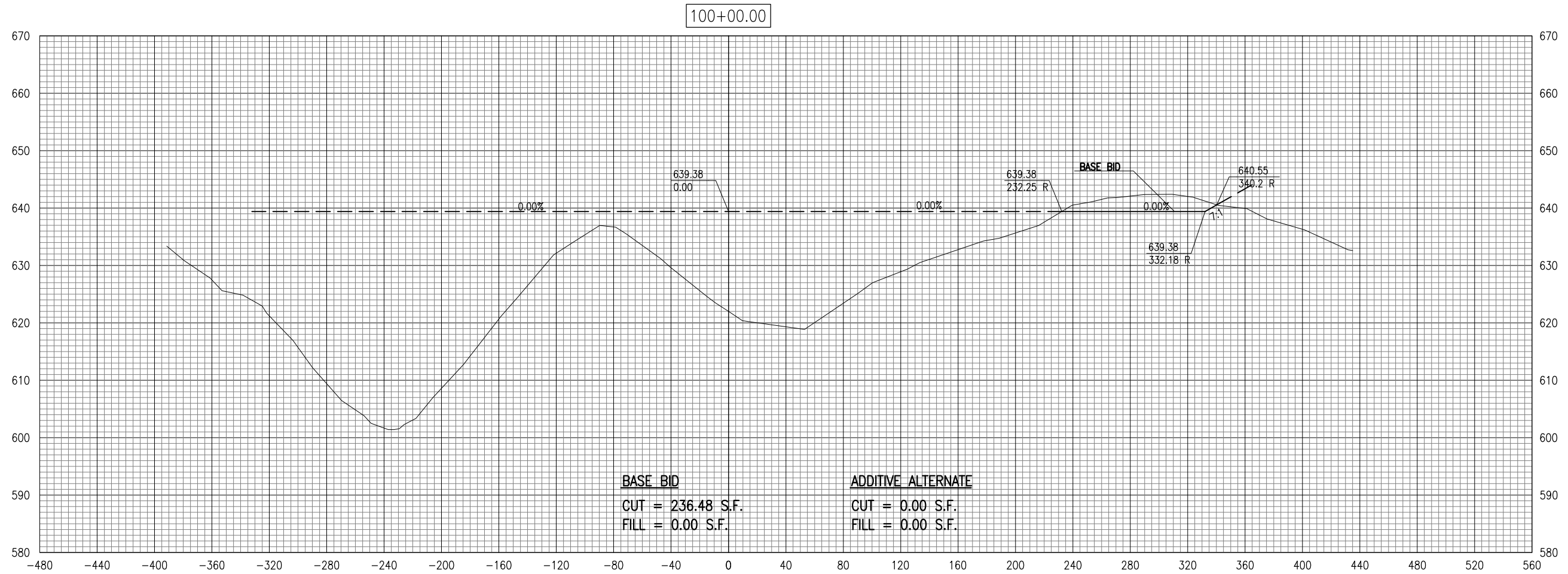
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Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-302XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 99+50

DEC 13, 2011 9:47 AM HAGL000382
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BASE BID
 CUT = 236.48 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

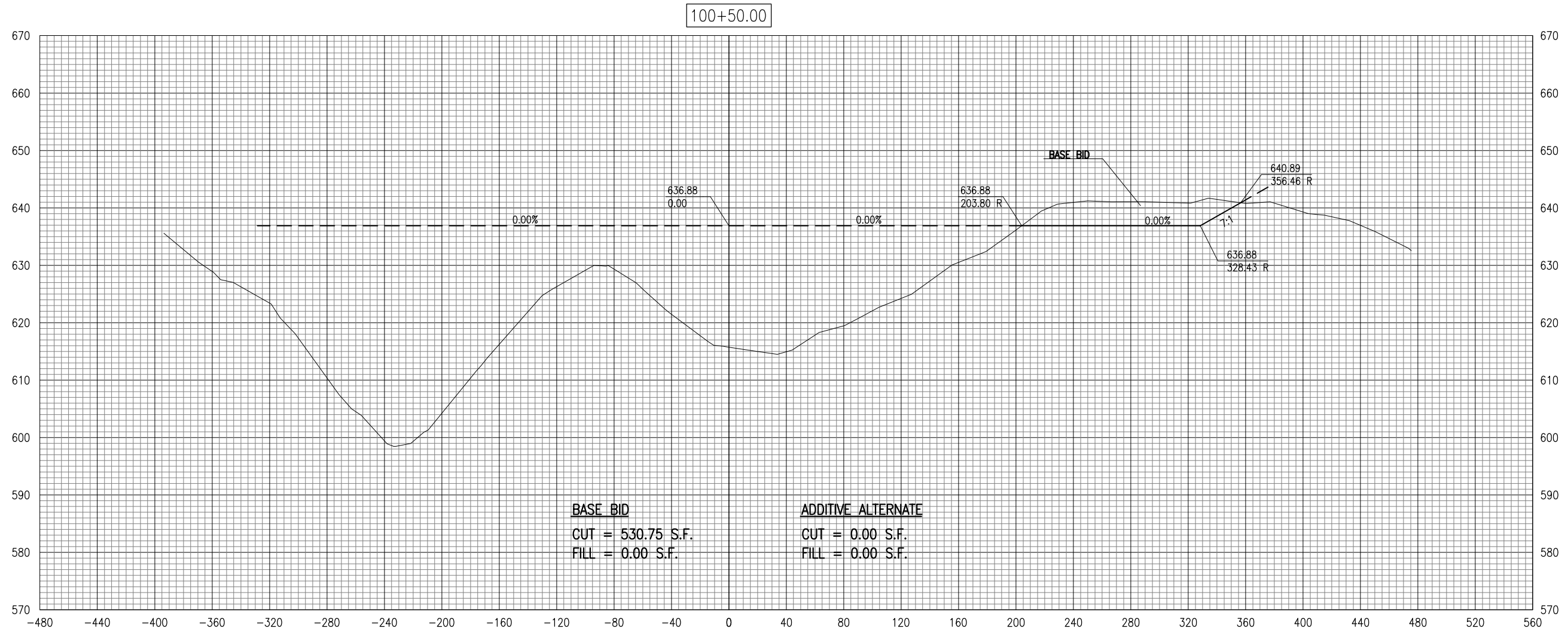
Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-303XSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 100+00

DEC 13, 2011 9:49 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-303XSEC.DWG - STA. 100+50



BASE BID
 CUT = 530.75 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800
 Filename: R-303XSEC.DWG
 Scale: V. 1" = 10' H. 1" = 40'
 Date: 10/28/11

LAYOUT	JEO	05/24/10
DRAWN	BAK	05/24/10
REVIEWED	CAH	03/22/11

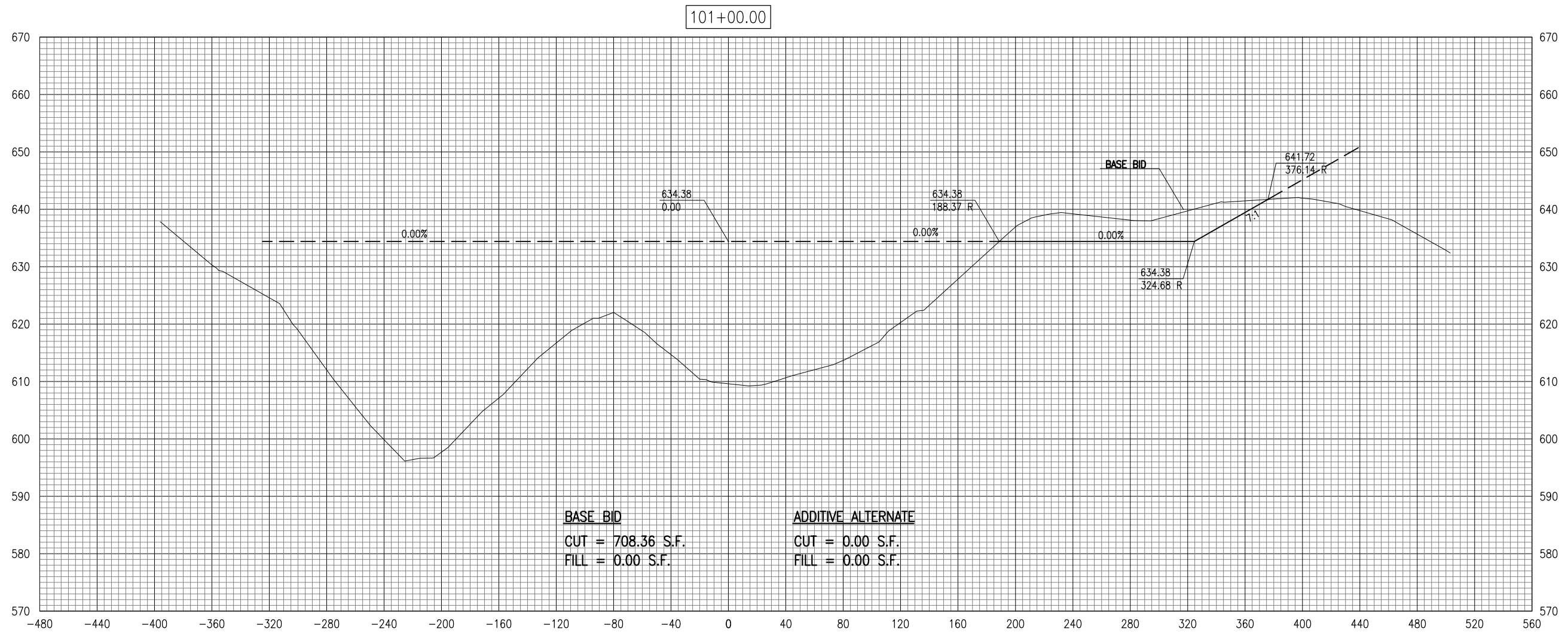


Hanson Professional Services Inc.
 1548 N. State Street
 Springfield, IL 62703-2886
 Offices Nationwide

800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 100+50

DEC 13, 2011 9:49 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-303XSEC.DWG - STA. 101+00



BASE BID
 CUT = 708.36 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

101+00.00

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

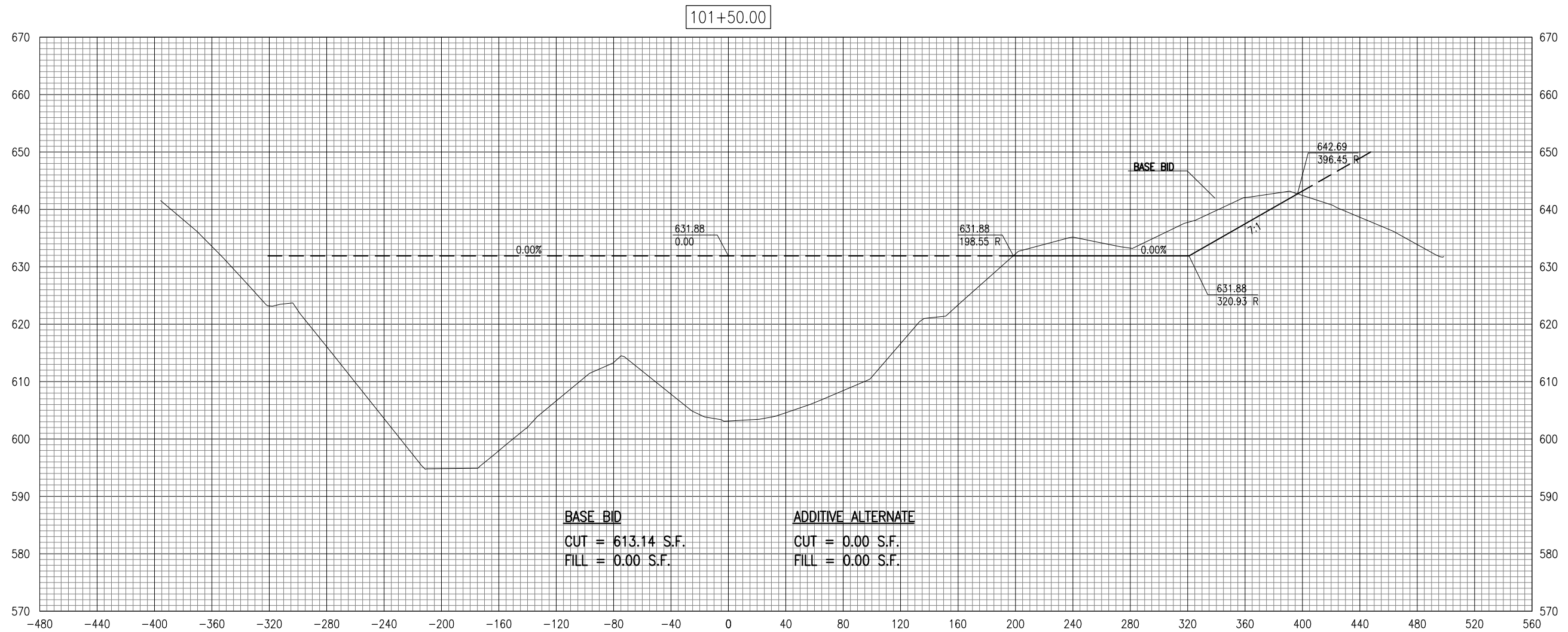
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-303XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



**800' EXTENSION TO
 RUNWAY END 31**
**CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 101+00**

DEC 13, 2011 9:50 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-303XSEC.DWG - STA. 101+50



BASE BID
 CUT = 613.14 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

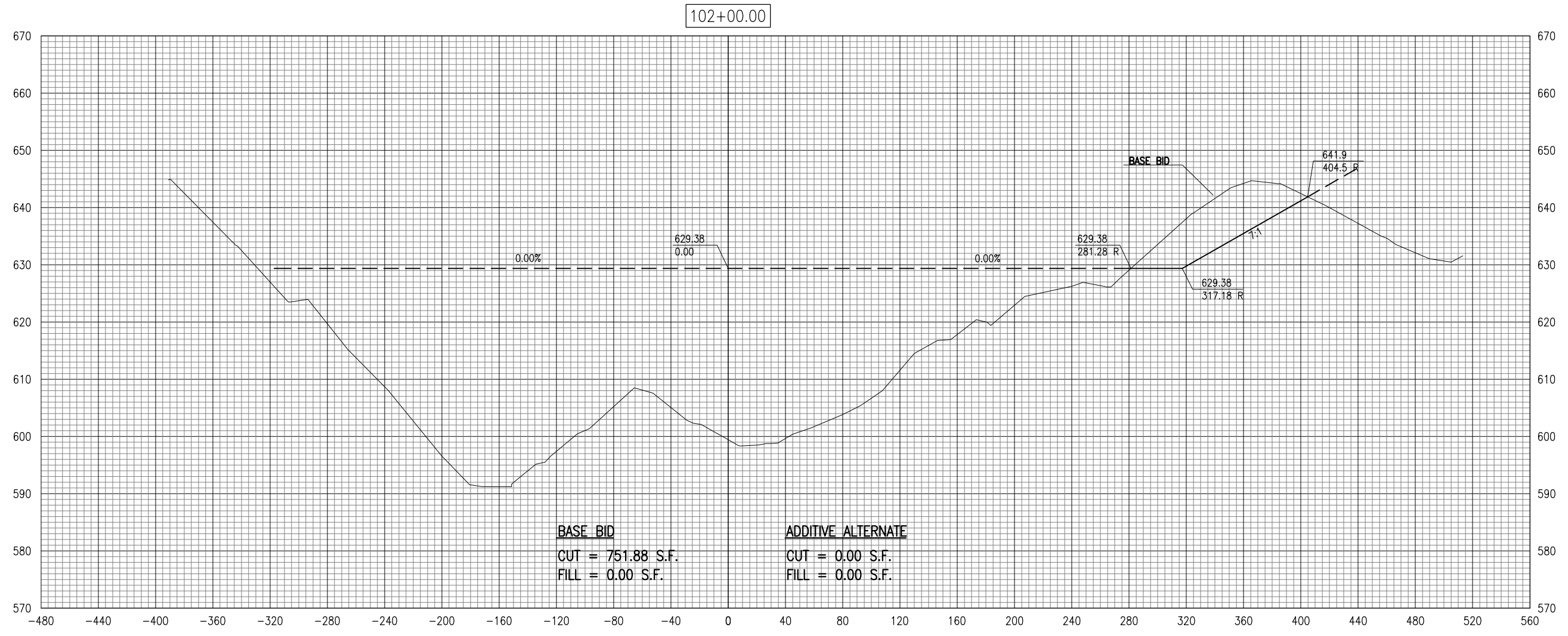
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-303XSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 101+50

DEC 13, 2011 9:51 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-303KSEC.DWG - STA. 102+00



BASE BID	ADDITIVE ALTERNATE
CUT = 751.88 S.F.	CUT = 0.00 S.F.
FILL = 0.00 S.F.	FILL = 0.00 S.F.

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-303KSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			

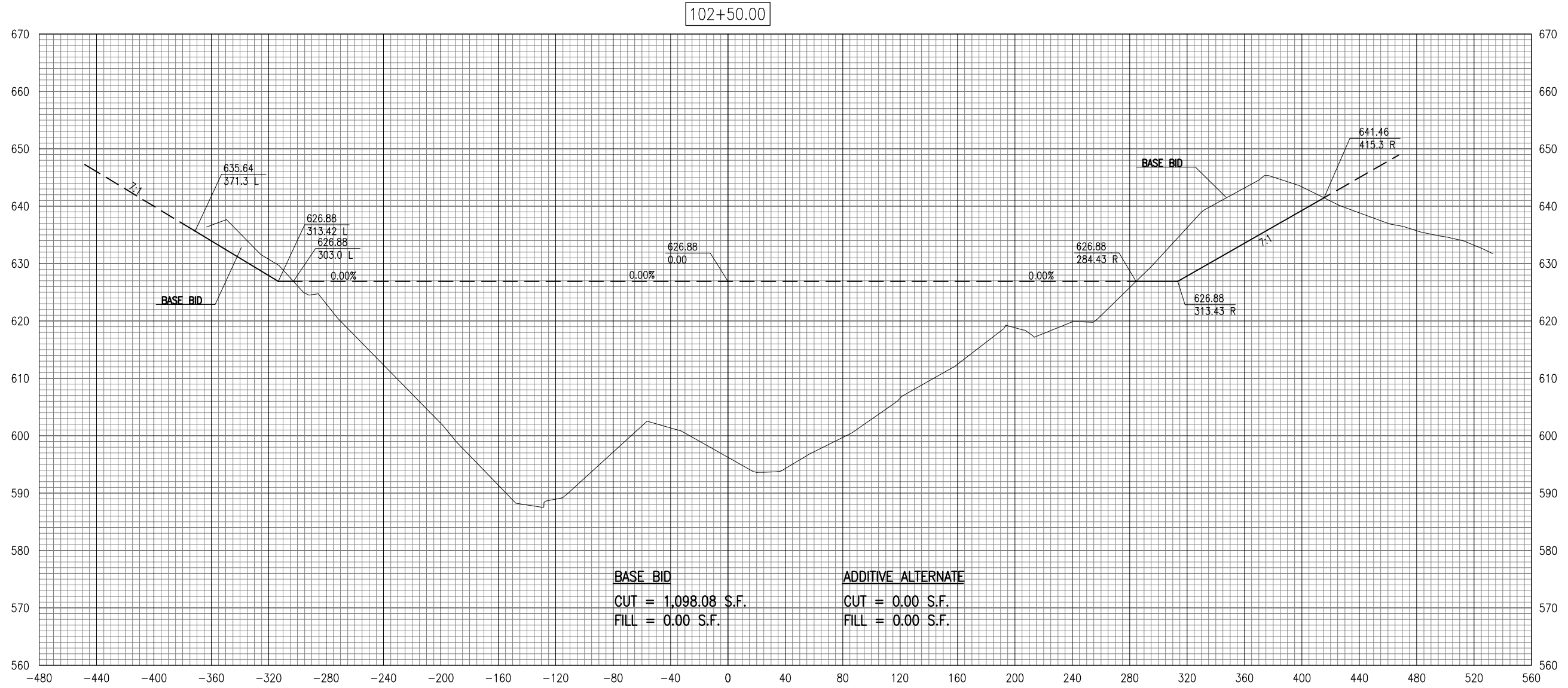


Hanson Professional Services Inc.
 1649 S. Main Street
 Springfield, IL 62703-2886
 Offices Nationwide

800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 102+00

DEC 13, 2011 9:52 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-304XSEC.DWG - STA. 102+50



BASE BID
 CUT = 1,098.08 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/8/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

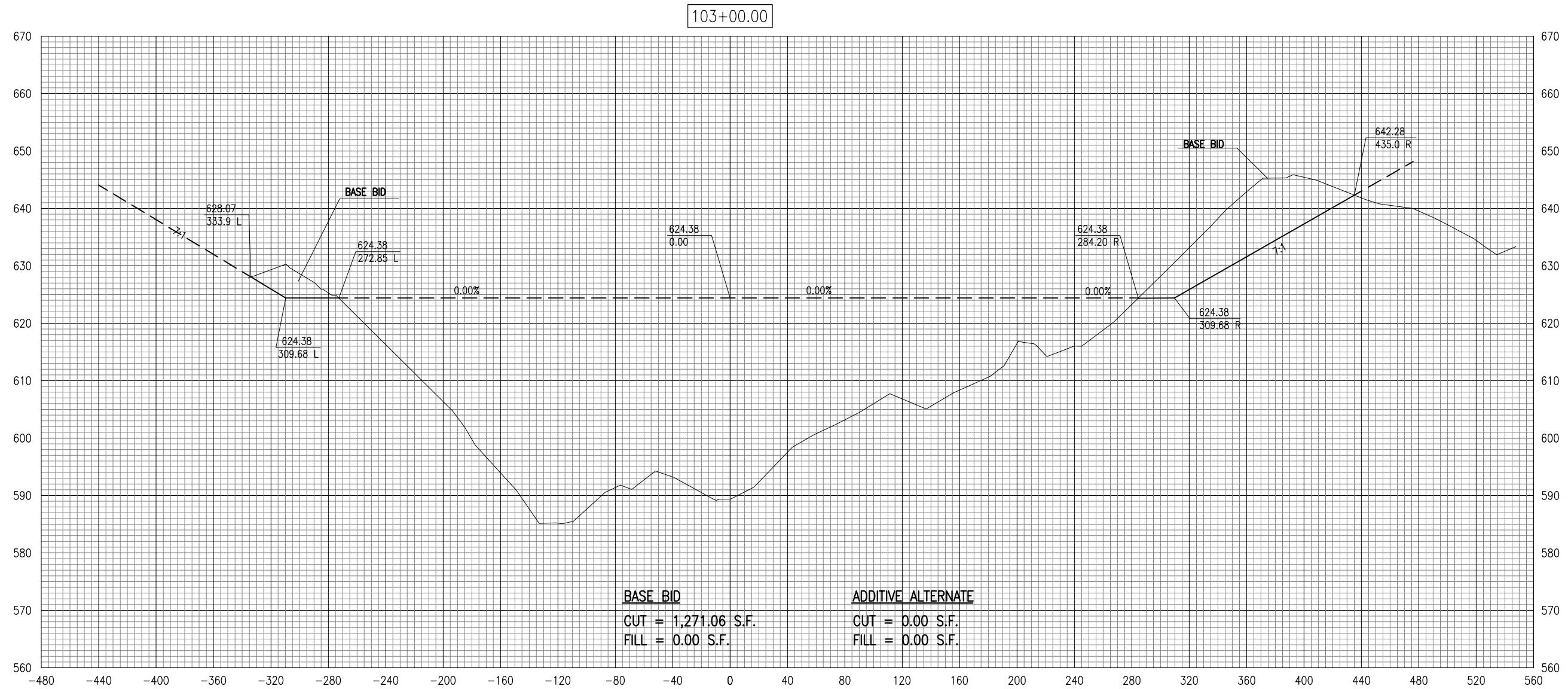
Hanson Project No. 09A0169D_0800	FILENAME R-304XSEC.DWG	Scale V. 1" = 10' H. 1" = 40'
LAYOUT JEO	DATE 05/24/10	
DRAWN BAK	DATE 05/24/10	
REVIEWED CAH	DATE 03/22/11	



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 102+50

DEC 13, 2011 9:53 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-304XSEC.DWG - STA. 103+00



BASE BID
 CUT = 1,271.06 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/8/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

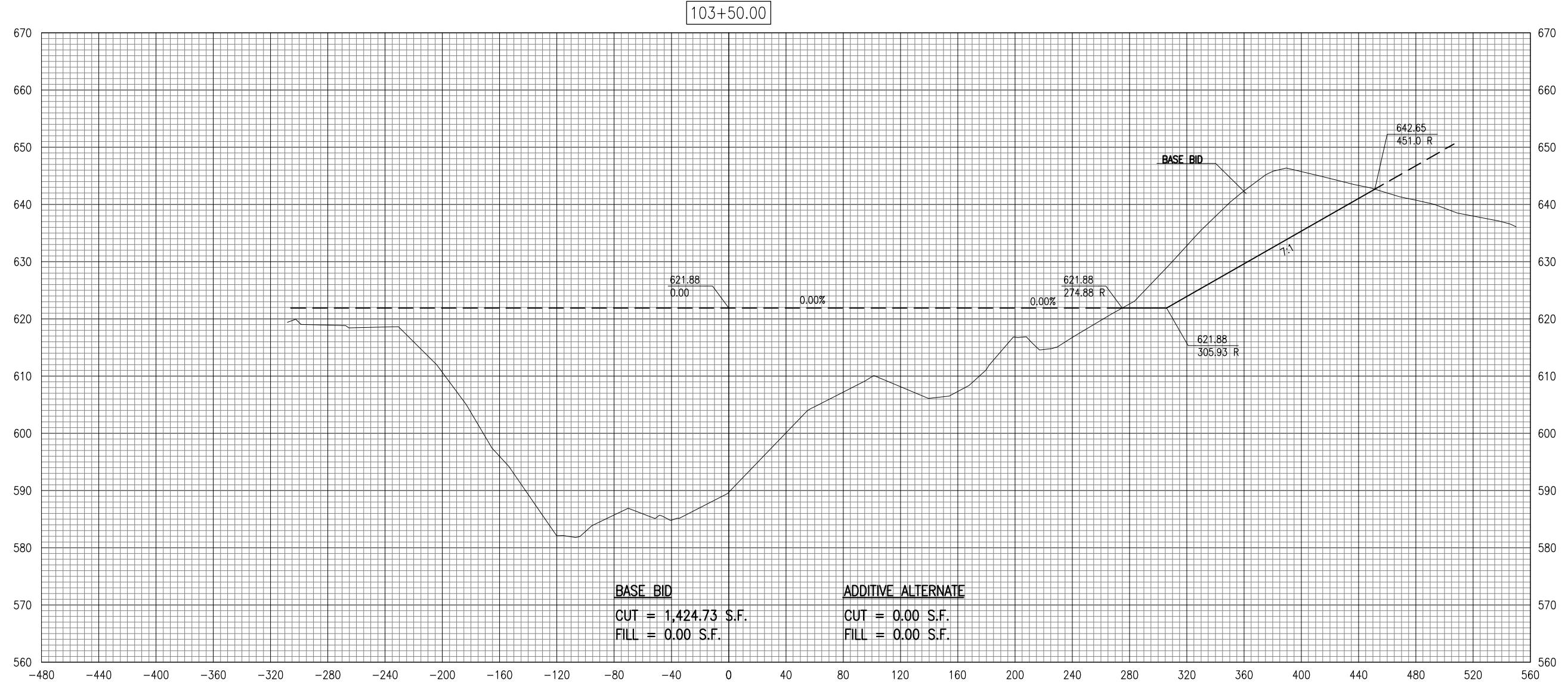
Hanson Project No. 09A0169D_0800	FILENAME R-304XSEC.DWG	Scale V. 1" = 10' H. 1" = 40'
LAYOUT JEO	DATE 05/24/10	
DRAWN BAK	DATE 05/24/10	
REVIEWED CAH	DATE 03/22/11	



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 103+00

DEC 13, 2011 9:53 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-304XSEC.DWG - STA. 103+50



BASE BID
 CUT = 1,424.73 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/8/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

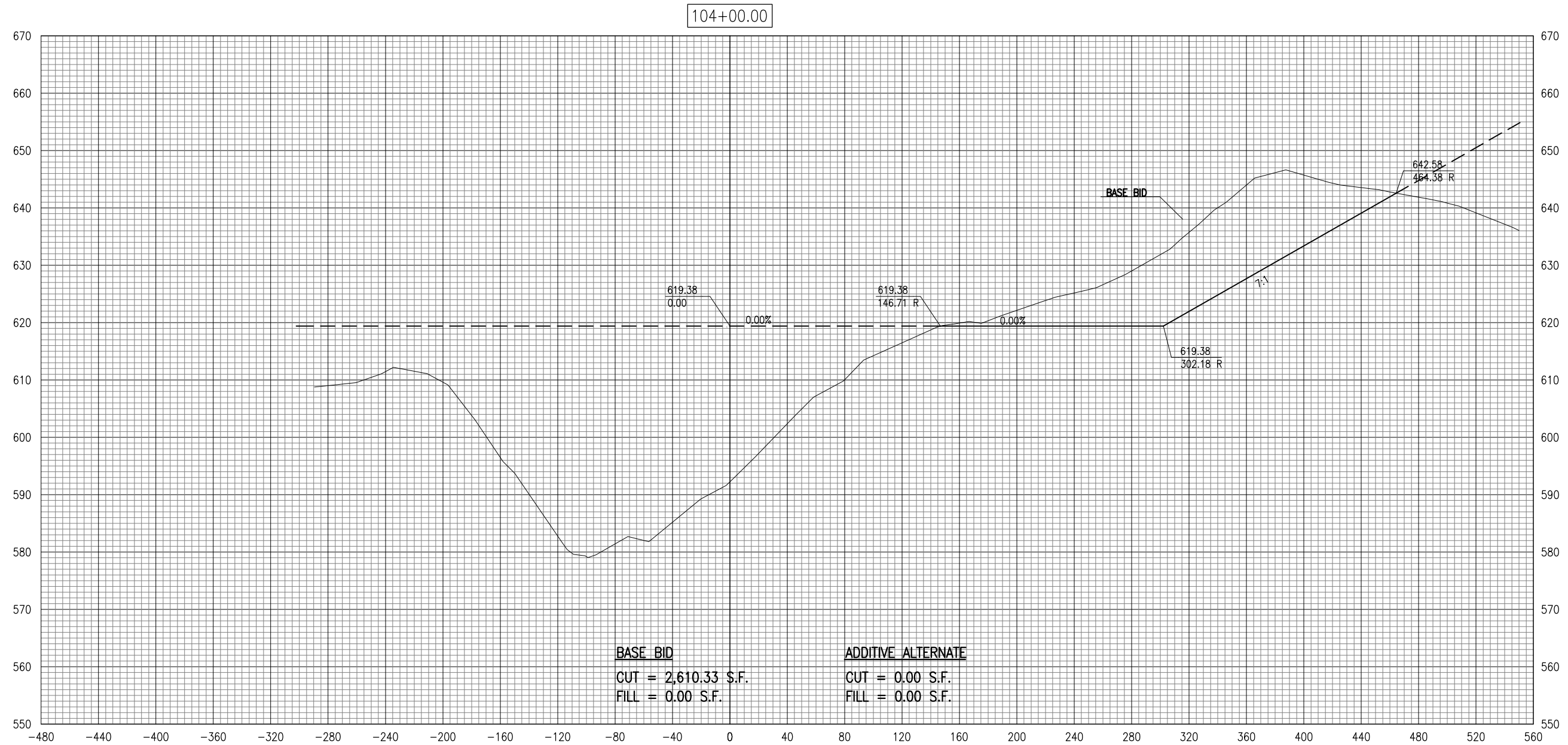
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	JEO	05/24/10
File Name R-304XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 103+50

DEC 13, 2011 9:54 AM HAGL000382
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BASE BID
 CUT = 2,610.33 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/8/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

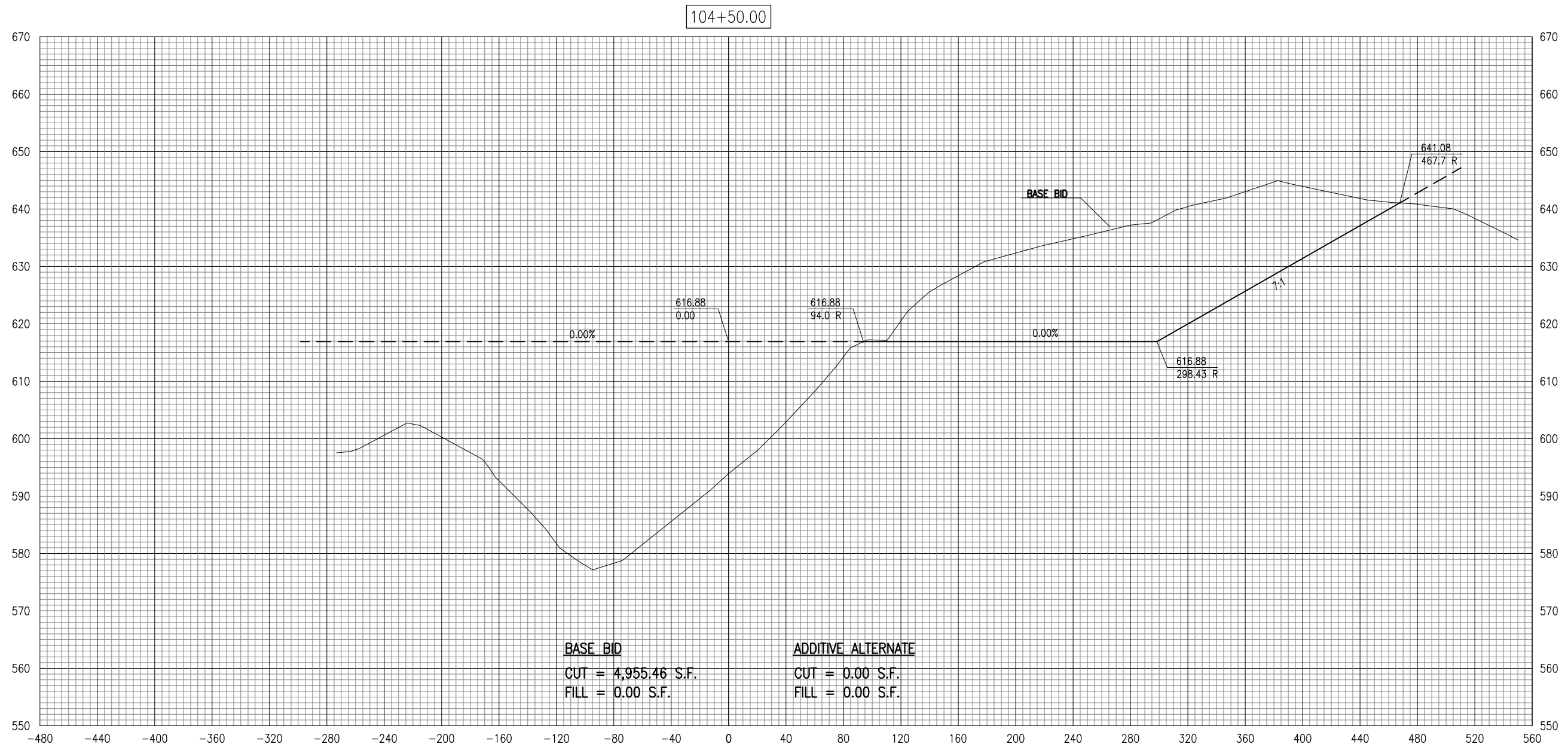
Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-304XSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			



**800' EXTENSION TO
 RUNWAY END 31**

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 104+00

DEC 13, 2011 9:55 AM HAGL000382
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BASE BID
 CUT = 4,955.46 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/08/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

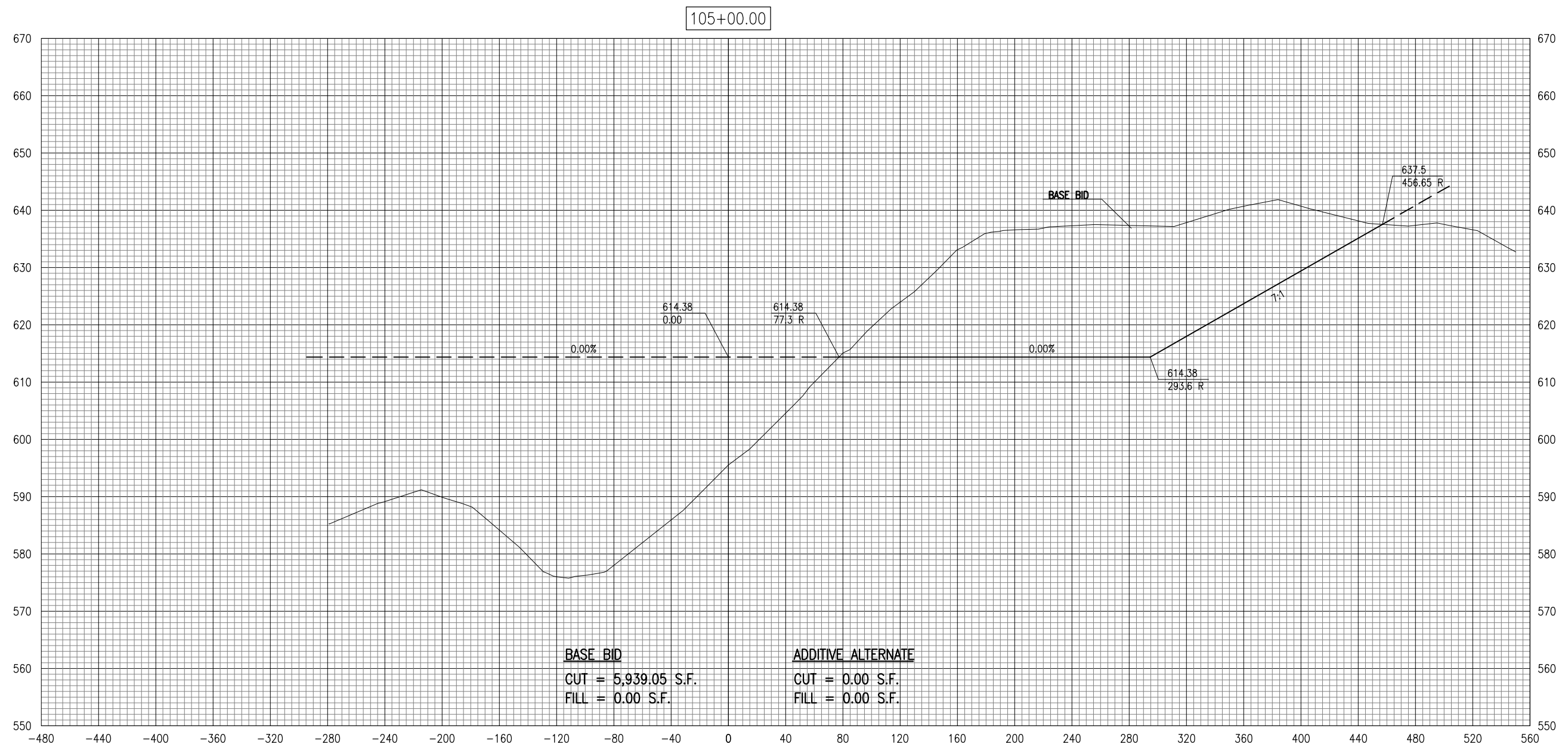
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-304XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



**800' EXTENSION TO
 RUNWAY END 31**
**CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 104+50**

DEC 13, 2011 9:56 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-305XSEC.DWG - STA. 105+00



BASE BID
 CUT = 5,939.05 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
11/07/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-305XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		

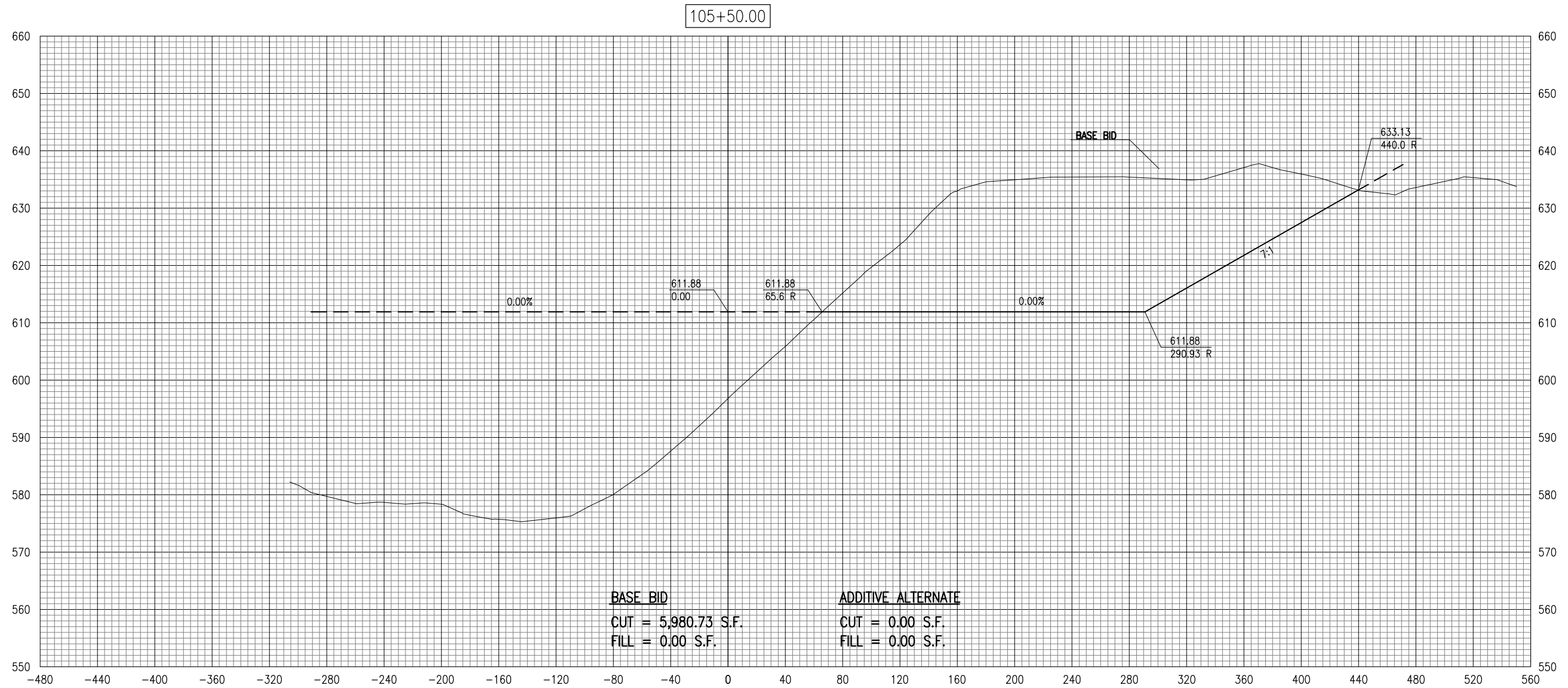


Hanson Professional Services Inc.
 1549 S. State Street
 Springfield, IL 62703-2886
 Offices Nationwide

800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 105+00

DEC 13, 2011 9:56 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-305XSEC.DWG - STA. 105+50



BASE BID
 CUT = 5,980.73 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

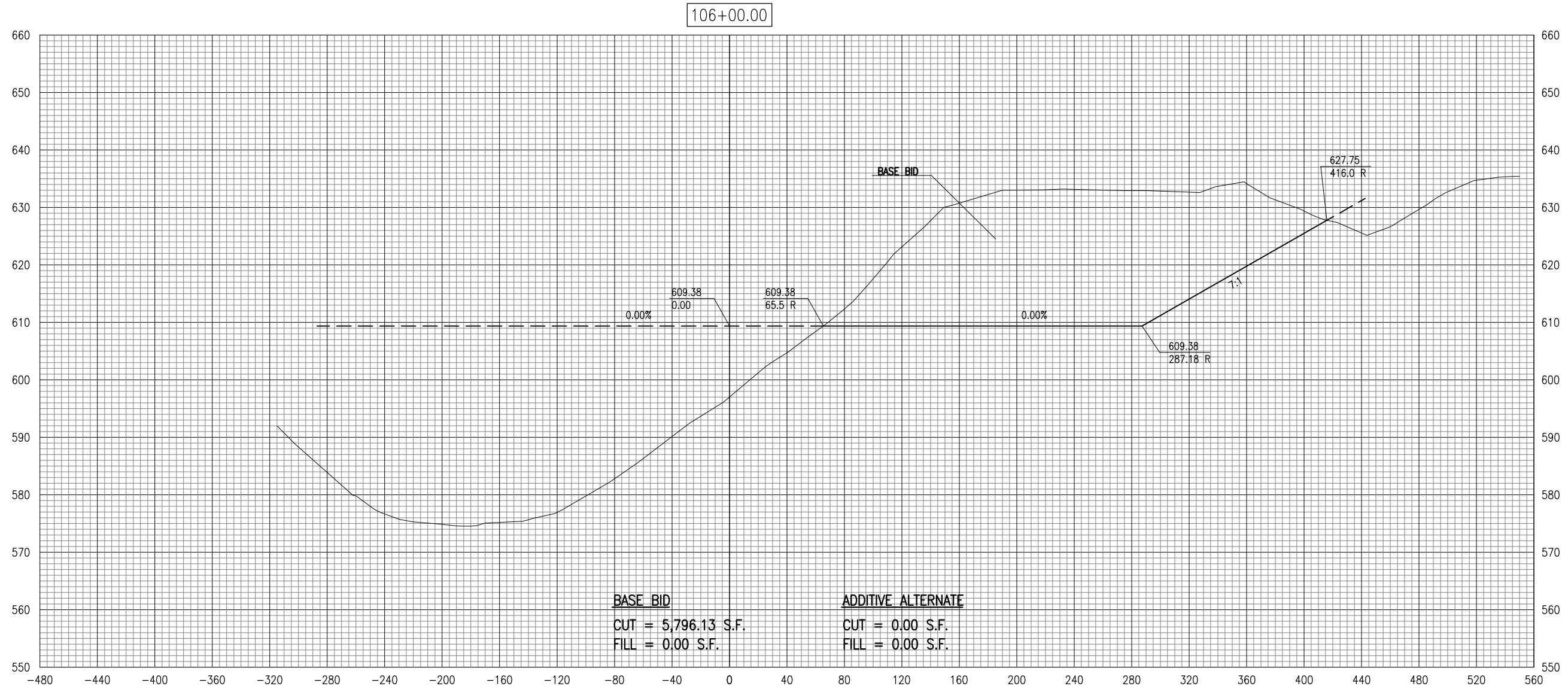
Hanson Project No. 09A0169D_0800	
Filename R-305XSEC.DWG	
Scale	V. 1" = 10' H. 1" = 40'
Date	10/28/11
LAYOUT	JEO 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/22/11



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 105+50

DEC 13, 2011 9:57 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-305XSEC.DWG - STA. 106+00



BASE BID
 CUT = 5,796.13 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

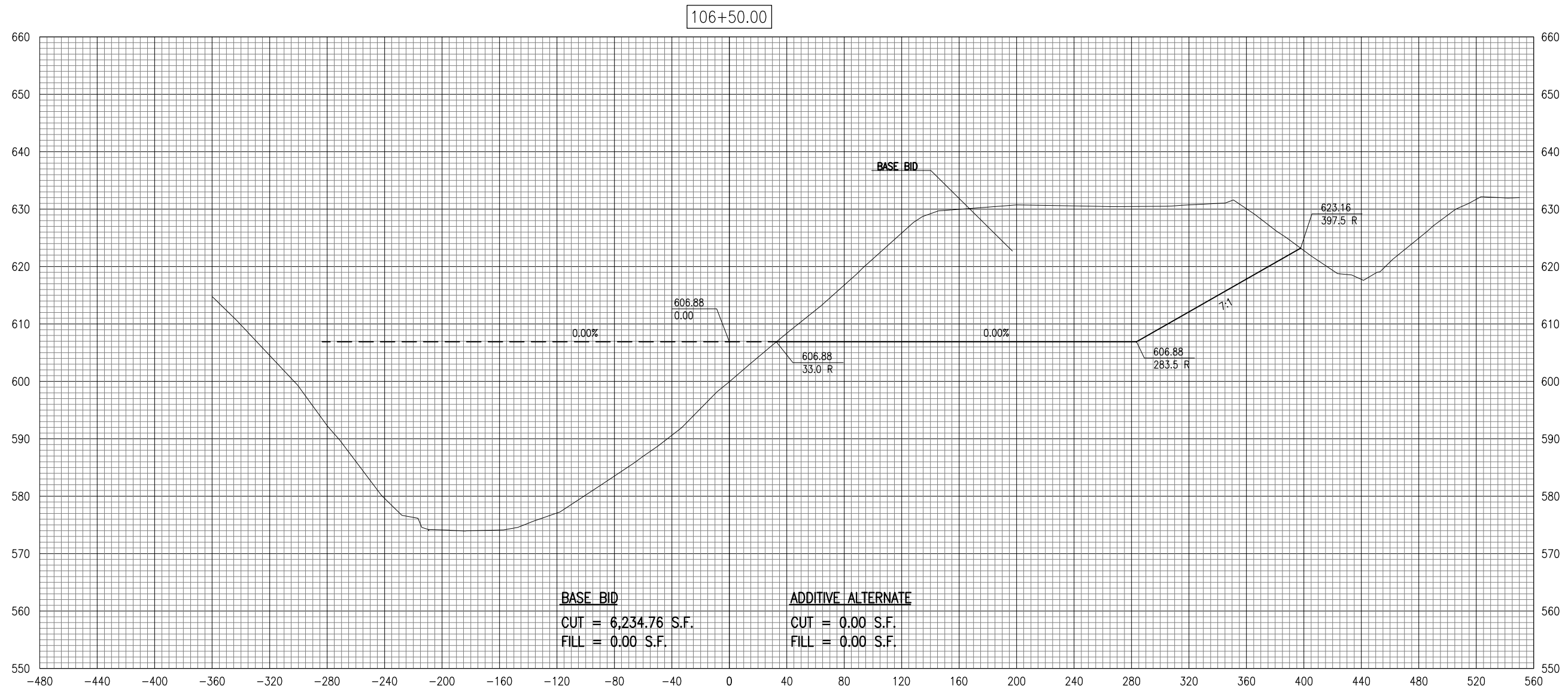
Hanson Project No. 09A0169D_0800	
Filename	R-305XSEC.DWG
Scale	V. 1" = 10' H. 1" = 40'
Date	10/28/11
LAYOUT	JEO 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/22/11



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 106+00

DEC 13, 2011 9:58 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-305XSEC.DWG - STA. 106+50



BASE BID
 CUT = 6,234.76 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

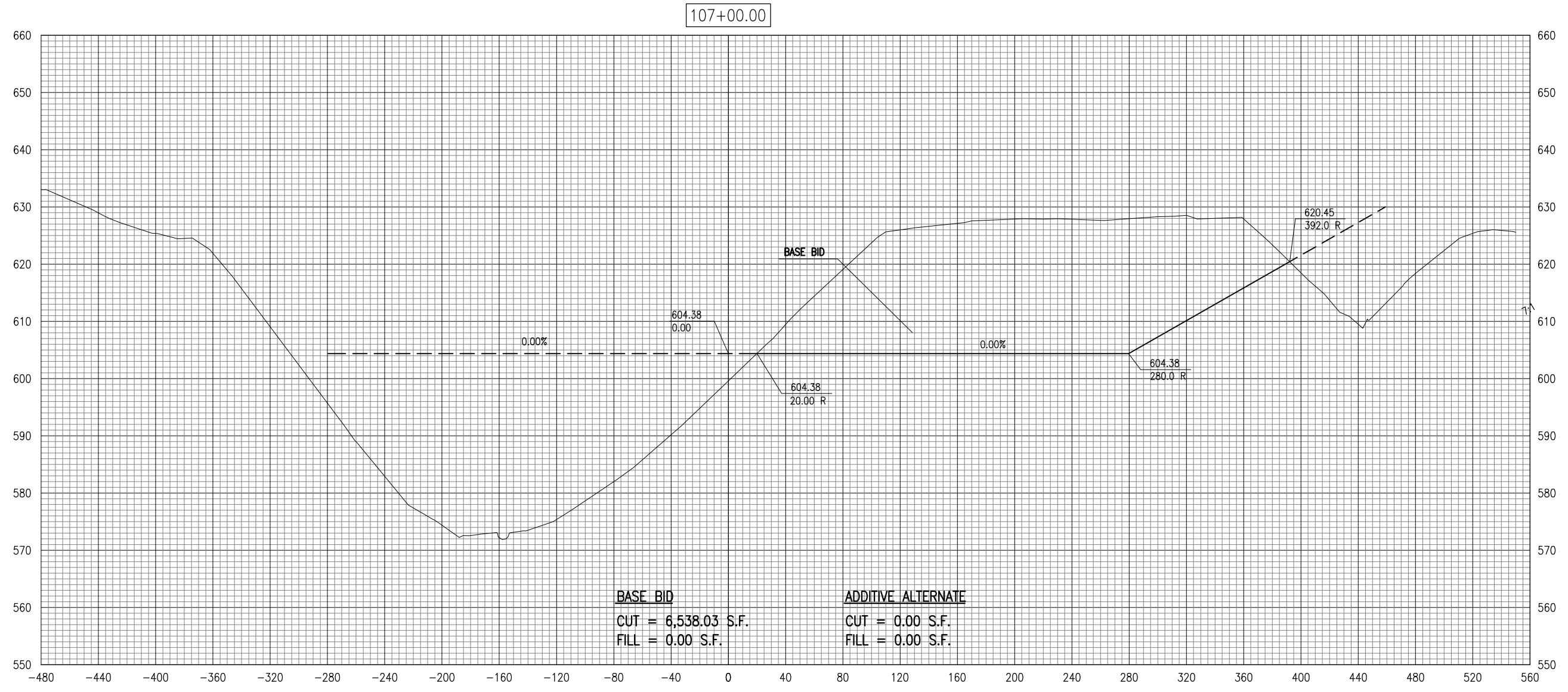
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-305XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



**800' EXTENSION TO
 RUNWAY END 31**
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 106+50

DEC 13, 2011 9:58 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-305XSEC.DWG - STA. 107+00



BASE BID
 CUT = 6,538.03 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	
Filename: R-305XSEC.DWG	
Scale: V. 1" = 10' H. 1" = 40'	Date: 10/28/11
LAYOUT	JEO 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/22/11

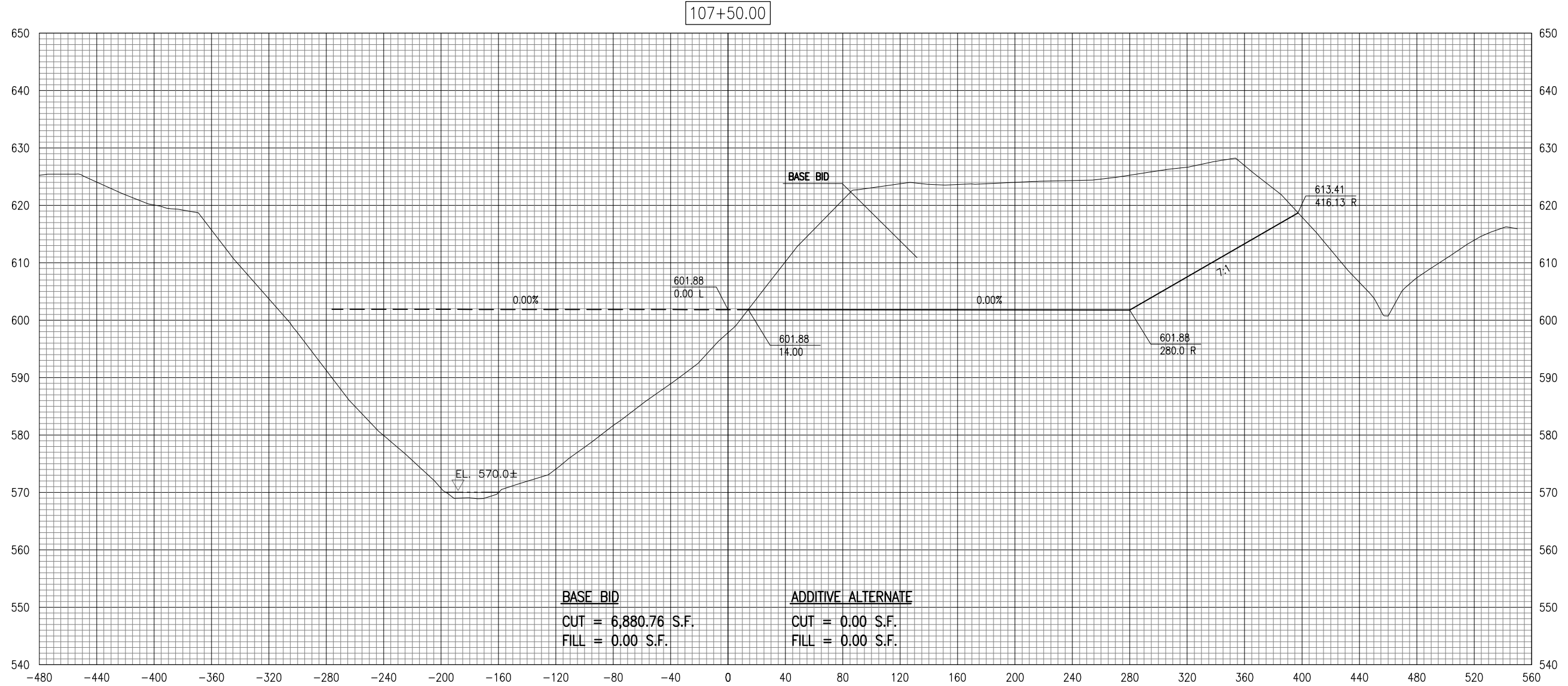


Hanson Professional Services Inc.
 1626 S. State Street
 Springfield, IL 62703-2886
 Offices Nationwide

800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 107+00

DEC 13, 2011 10:00 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-306KSEC.DWG - STA. 107+50



BASE BID
 CUT = 6,880.76 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

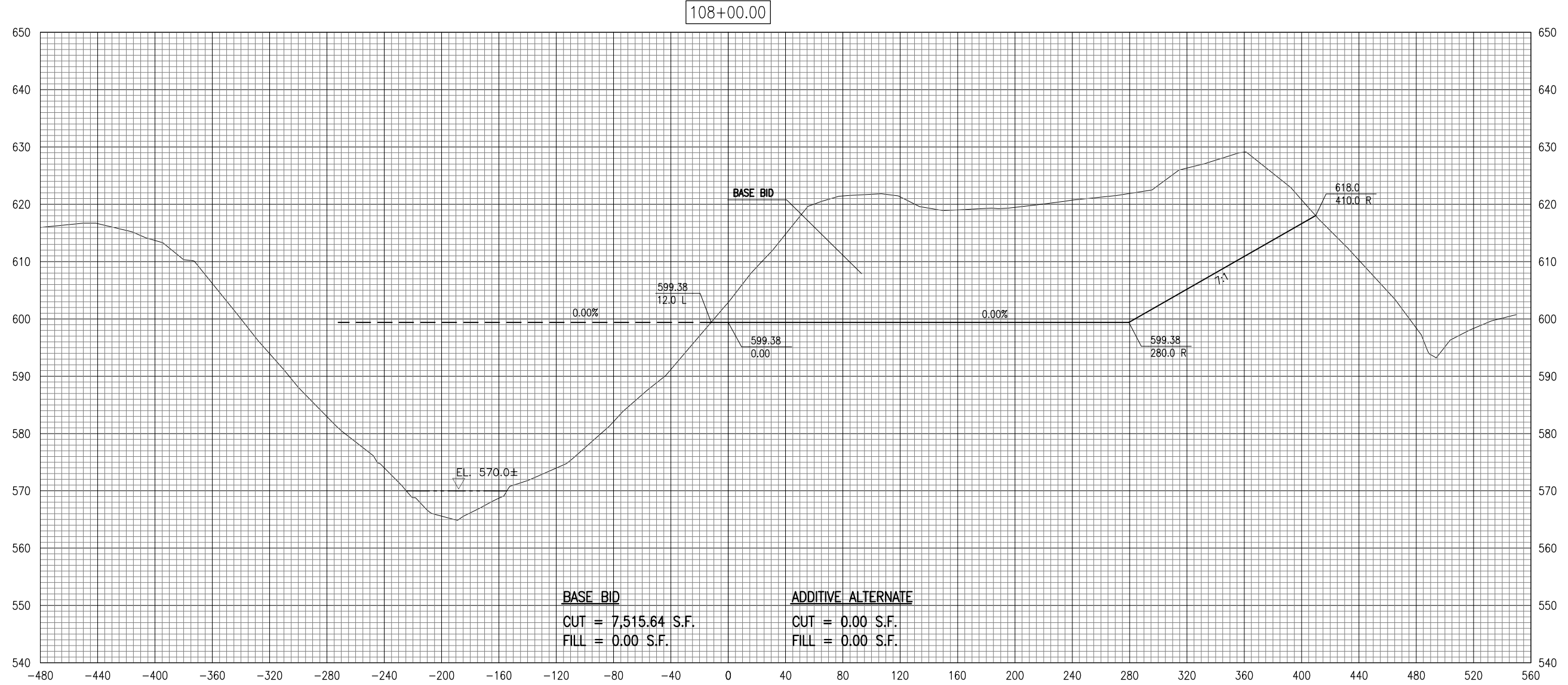
Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-306KSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 107+50

DEC 13, 2011 10:00 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-306KSEC.DWG - STA. 108+00



BASE BID
 CUT = 7,515.64 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

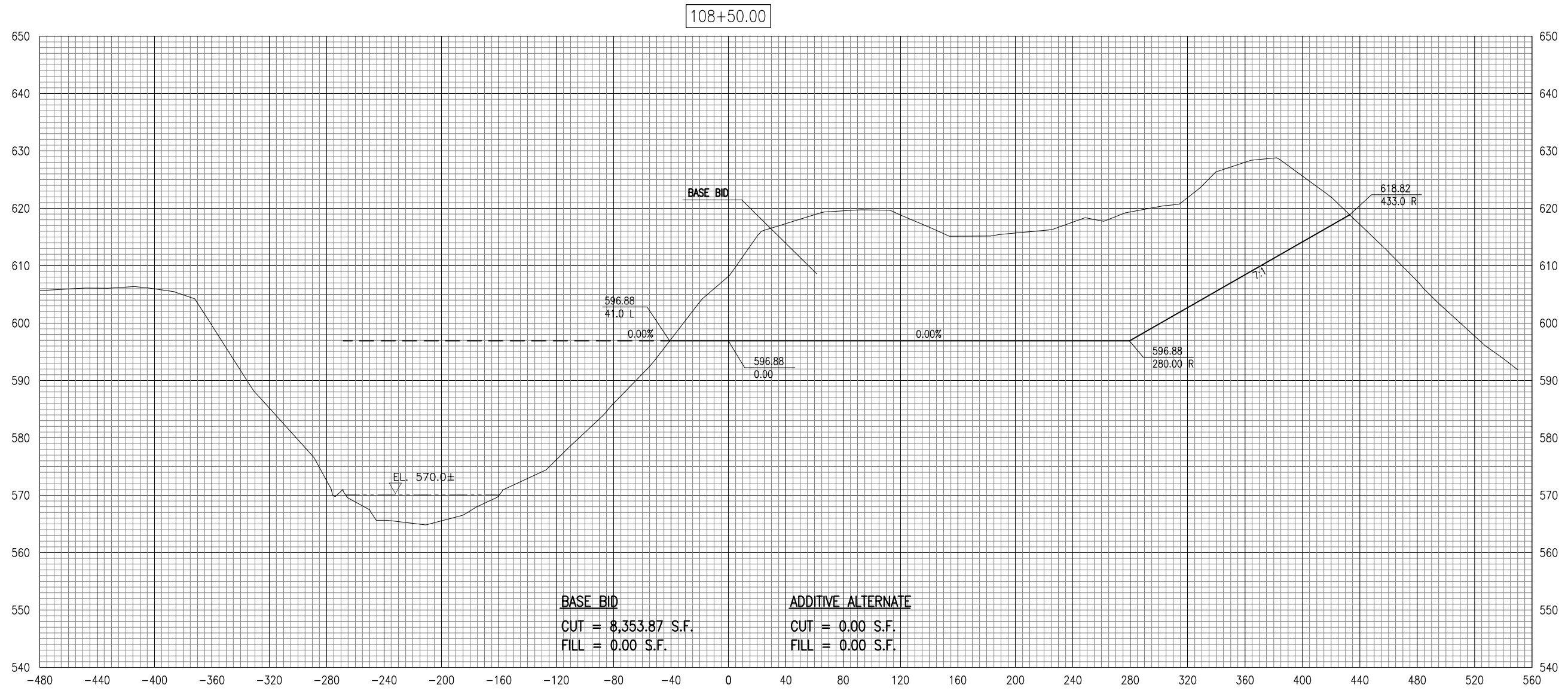
Hanson Project No. 09A0169D_0800	
Filename: R-306KSEC.DWG	
Scale: V. 1" = 10' H. 1" = 40'	Date: 10/28/11
LAYOUT	JEO 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/22/11



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 108+00

DEC 13, 2011 10:02 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-306KSEC.DWG - STA. 108+50



BASE BID
 CUT = 8,353.87 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

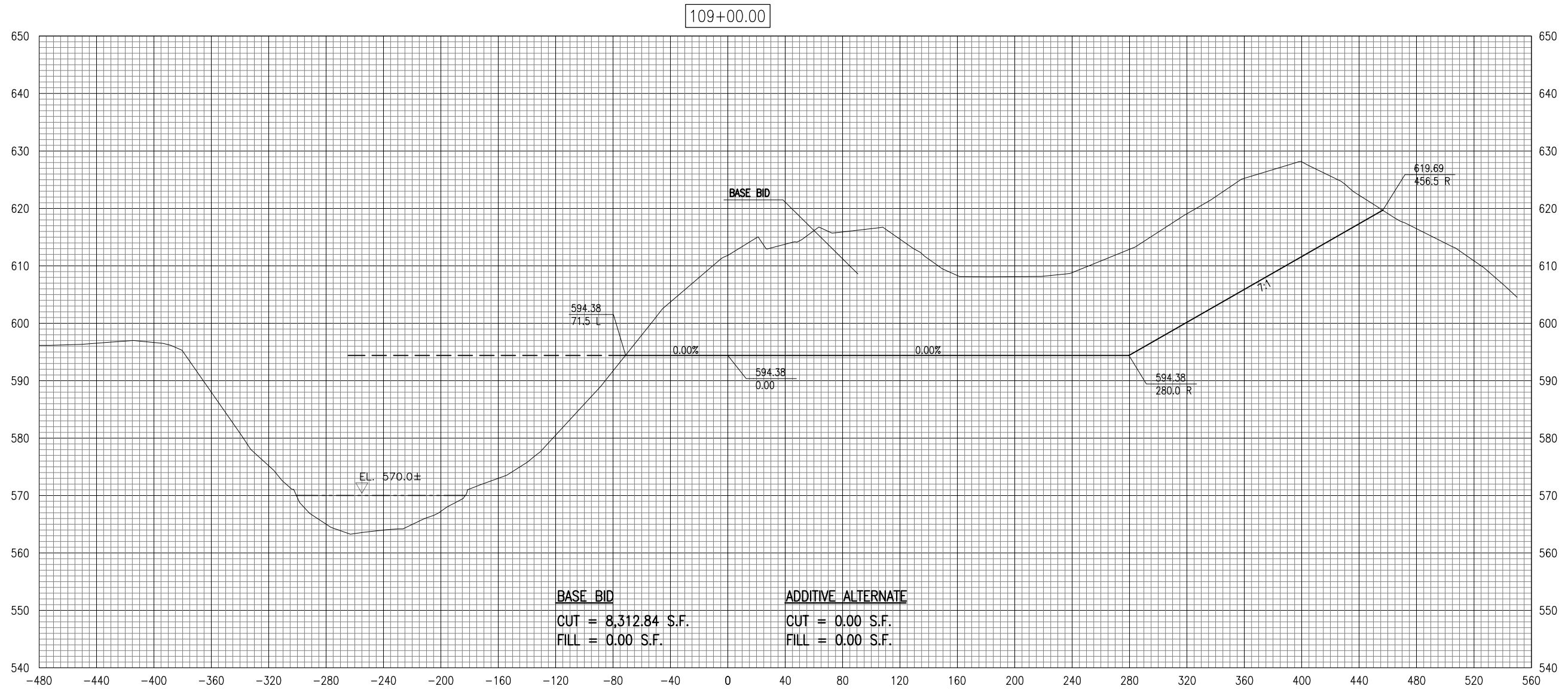
Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-306KSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		
LAYOUT		
DRAWN		
REVIEWED		



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 108+50

DEC 13, 2011 10:02 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-306XSEC.DWG - STA. 109+00



BASE BID
 CUT = 8,312.84 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

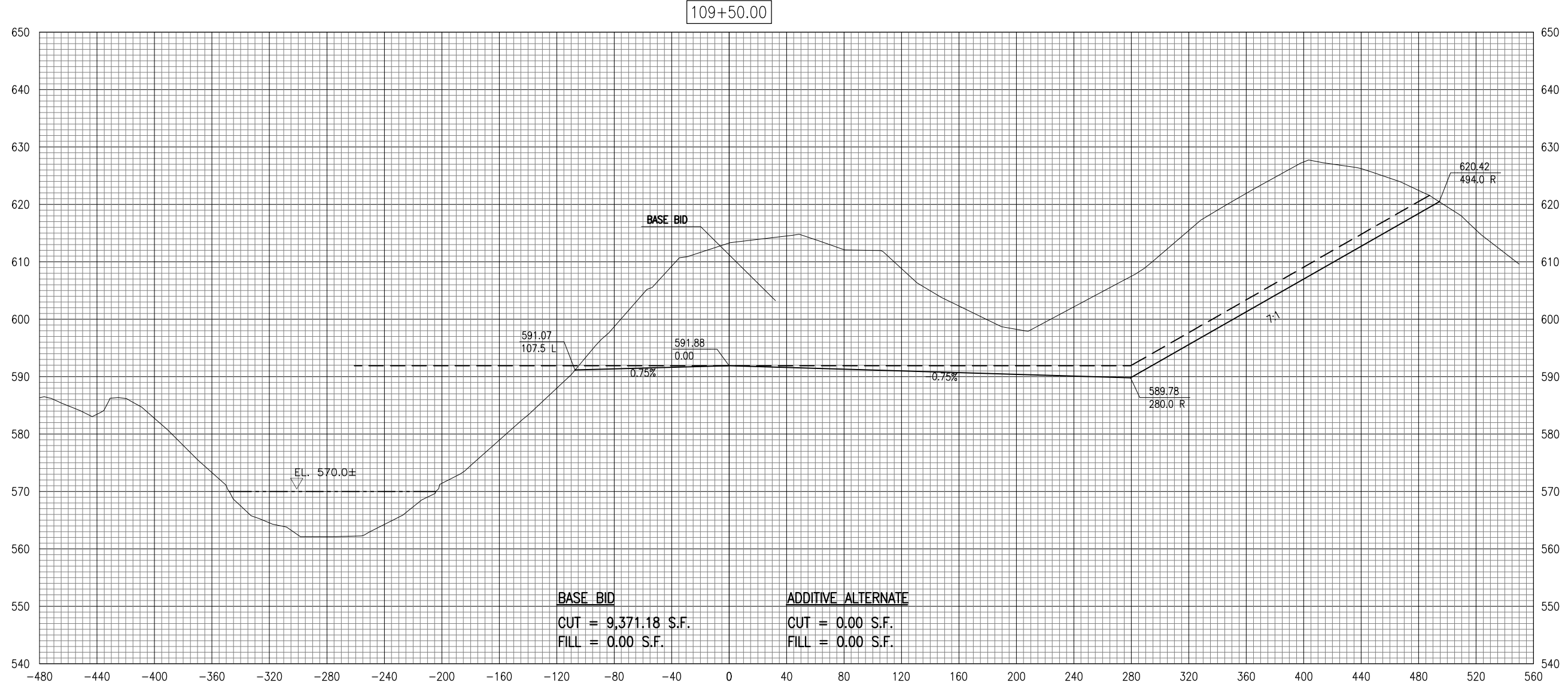
Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-306XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 109+00

DEC 13, 2011 10:03 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-306XSEC.DWG - STA. 109+50



BASE BID
 CUT = 9,371.18 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

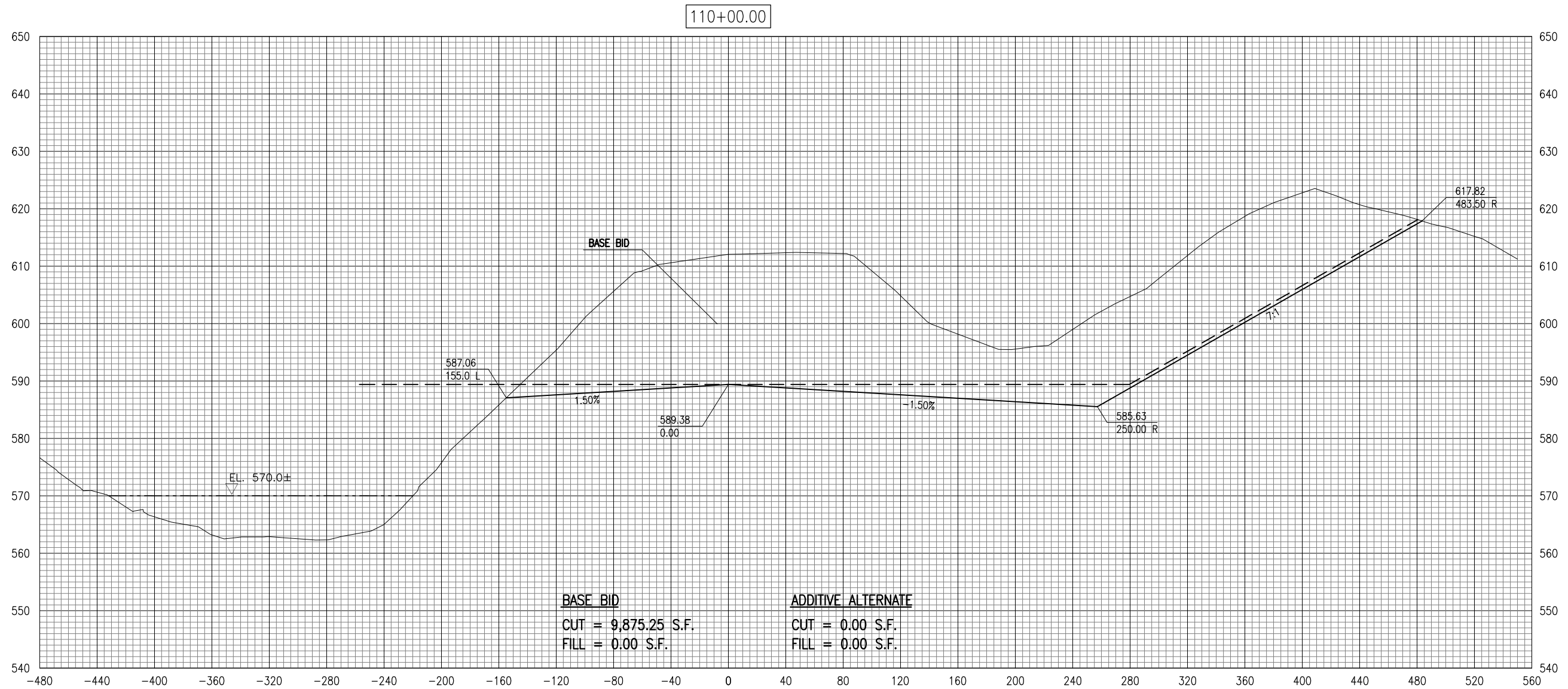
Hanson Project No. 09A0169D_0800	FILENAME R-306XSEC.DWG	Scale V. 1" = 10' H. 1" = 40'
Date 10/28/11	LAYOUT JEO	05/24/10
	DRAWN BAK	05/24/10
	REVIEWED CAH	03/22/11



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 109+50

DEC 13, 2011 10:05 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-307XSEC.DWG - STA. 110+00



BASE BID
 CUT = 9,875.25 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

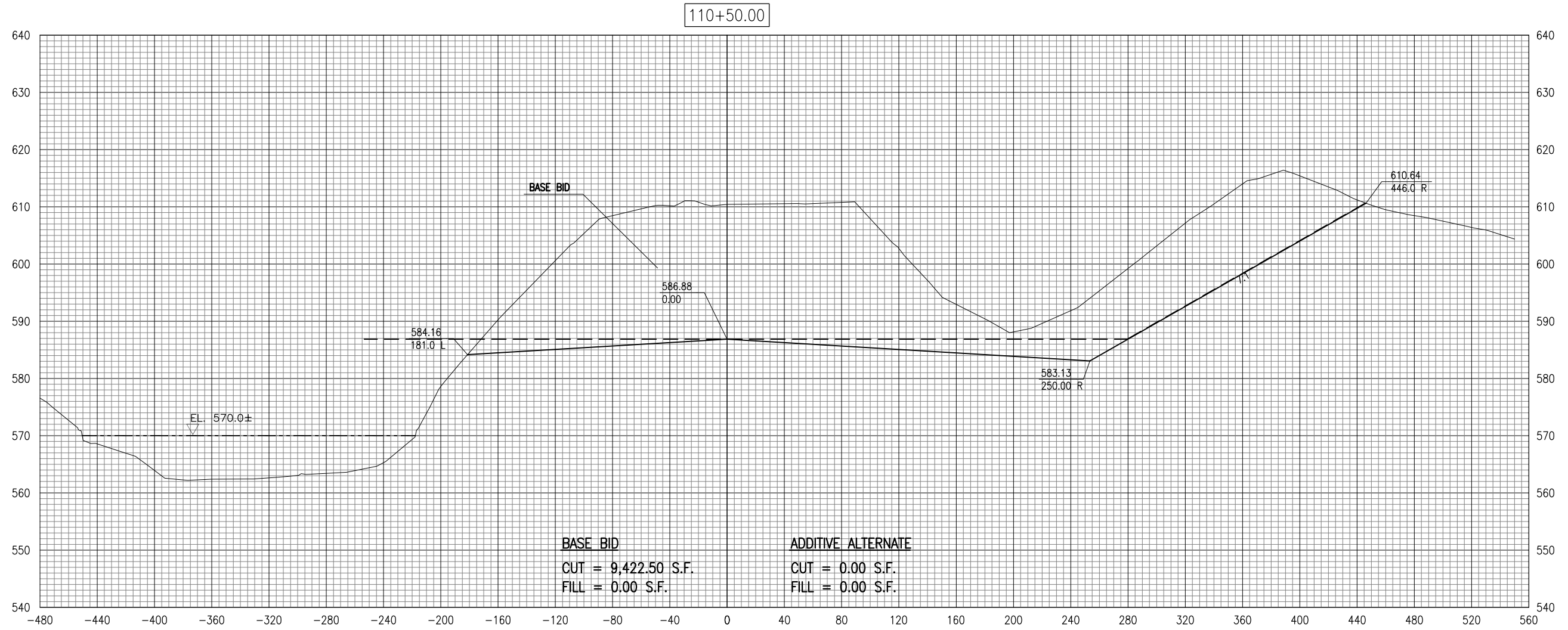
Hanson Project No. 09A0169D_0800	
Filename: R-307XSEC.DWG	
Scale: V. 1" = 10' H. 1" = 40'	Date: 10/28/11
LAYOUT	JEO 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/22/11



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 110+00

DEC 13, 2011 10:07 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-307XSEC.DWG - STA. 110+50



DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

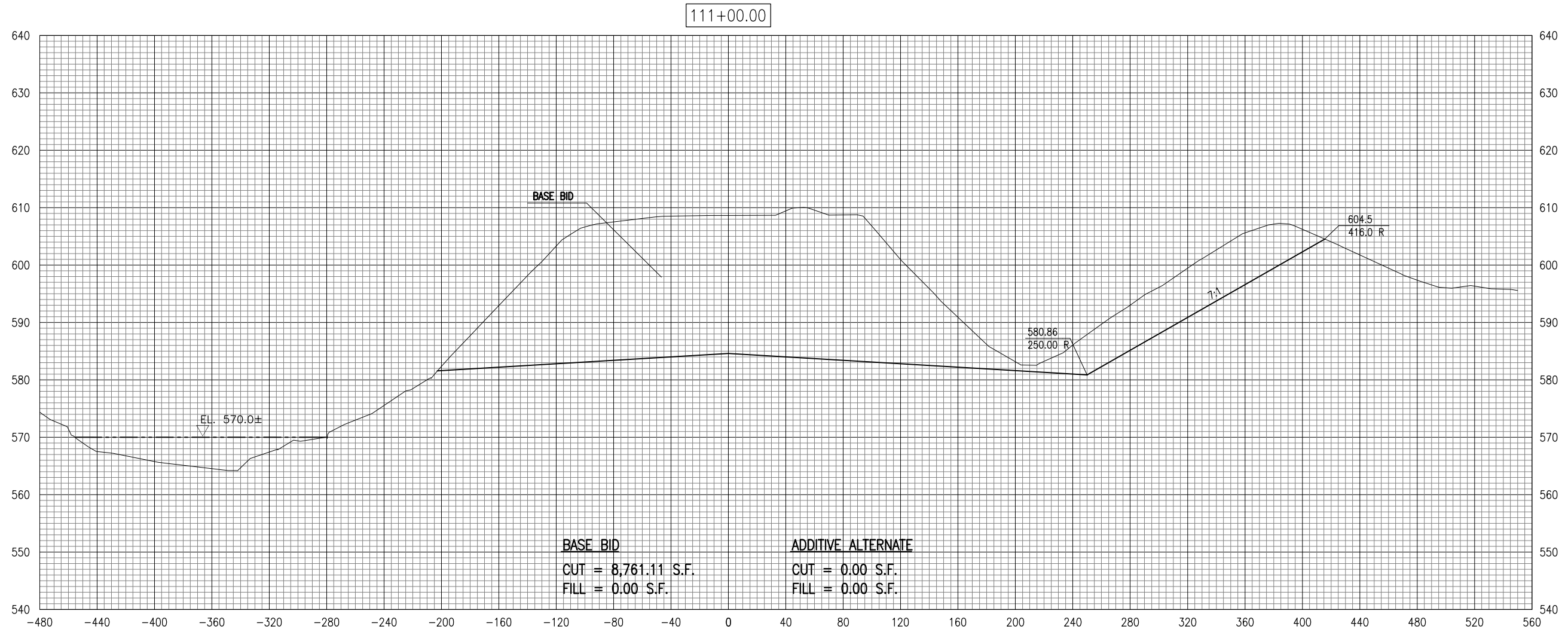
Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-307XSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			



Hanson Professional Services Inc.
 1626 S. State Street
 Springfield, IL 62703-2886
 Offices Nationwide

800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 110+50

DEC 13, 2011 10:08 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-307XSEC.DWG - STA. 111+00



<u>BASE BID</u>	<u>ADDITIVE ALTERNATE</u>
CUT = 8,761.11 S.F.	CUT = 0.00 S.F.
FILL = 0.00 S.F.	FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

A.I.P. PROJ.: 3-17-0059-B12
 I.L. PROJ.: C75-3989

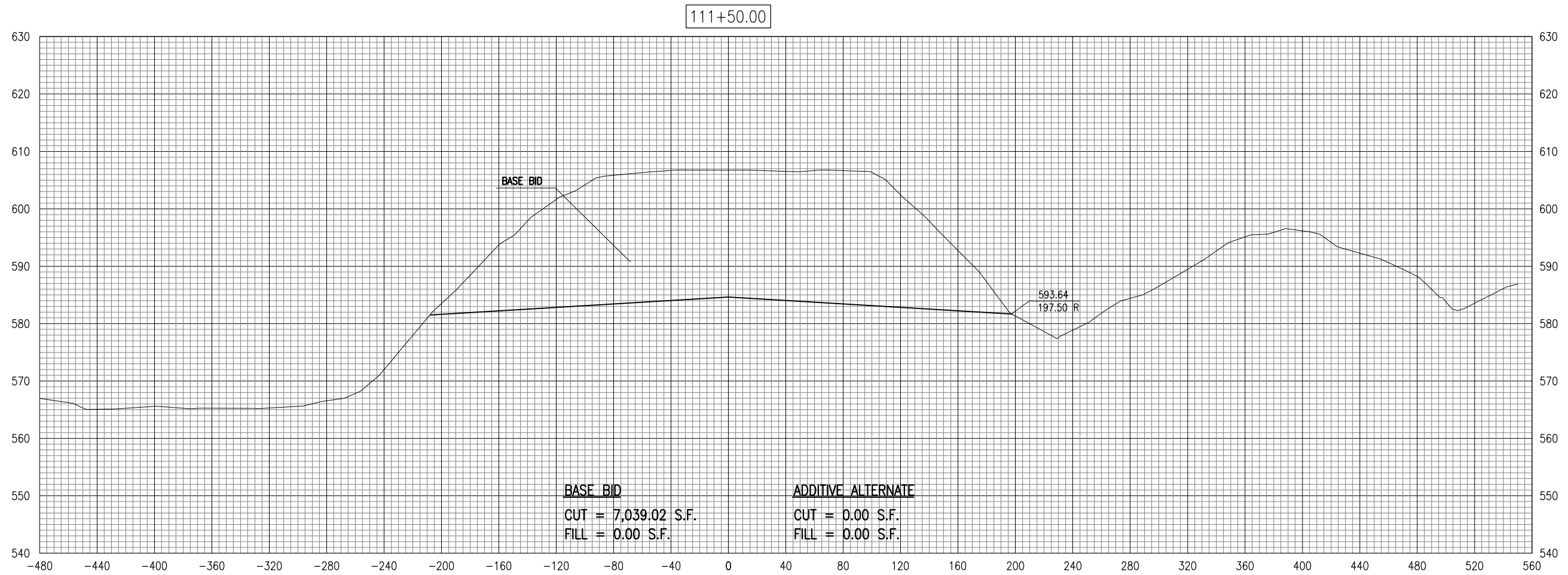
Hanson Project No. 09A0169D_0800	
Filename	R-307XSEC.DWG
Scale	V. 1" = 10' H. 1" = 40'
Date	10/28/11
LAYOUT	JEO 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/22/11



800' EXTENSION TO RUNWAY END 31

CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 111+00

DEC 13, 2011 10:08 AM HAGL000382
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DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

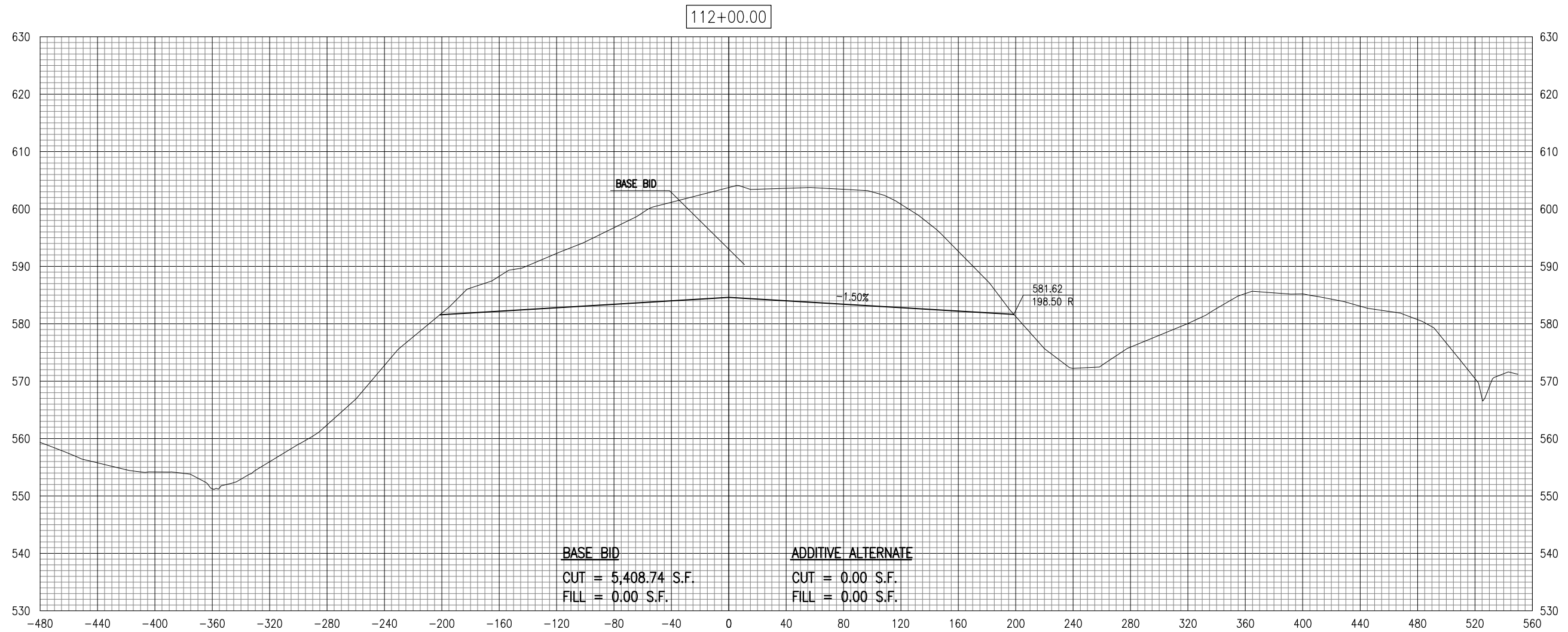
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Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-307XSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			



**800' EXTENSION TO
 RUNWAY END 31**
**CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 111+50**

DEC 13, 2011 10:09 AM HAGL000382
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BASE BID
 CUT = 5,408.74 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800
 Filename: R-307XSEC.DWG
 Scale: V. 1" = 10' H. 1" = 40'
 Date: 10/28/11

LAYOUT	JEO	05/24/10
DRAWN	BAK	05/24/10
REVIEWED	CAH	03/22/11



Hanson Professional Services Inc.
 1626 S. State Street
 Springfield, IL 62703-2686
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800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 112+00

DEC 13, 2011 10:10 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-308XSEC.DWG - STA. 112+50



BASE BID
 CUT = 1,909.20 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/31/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

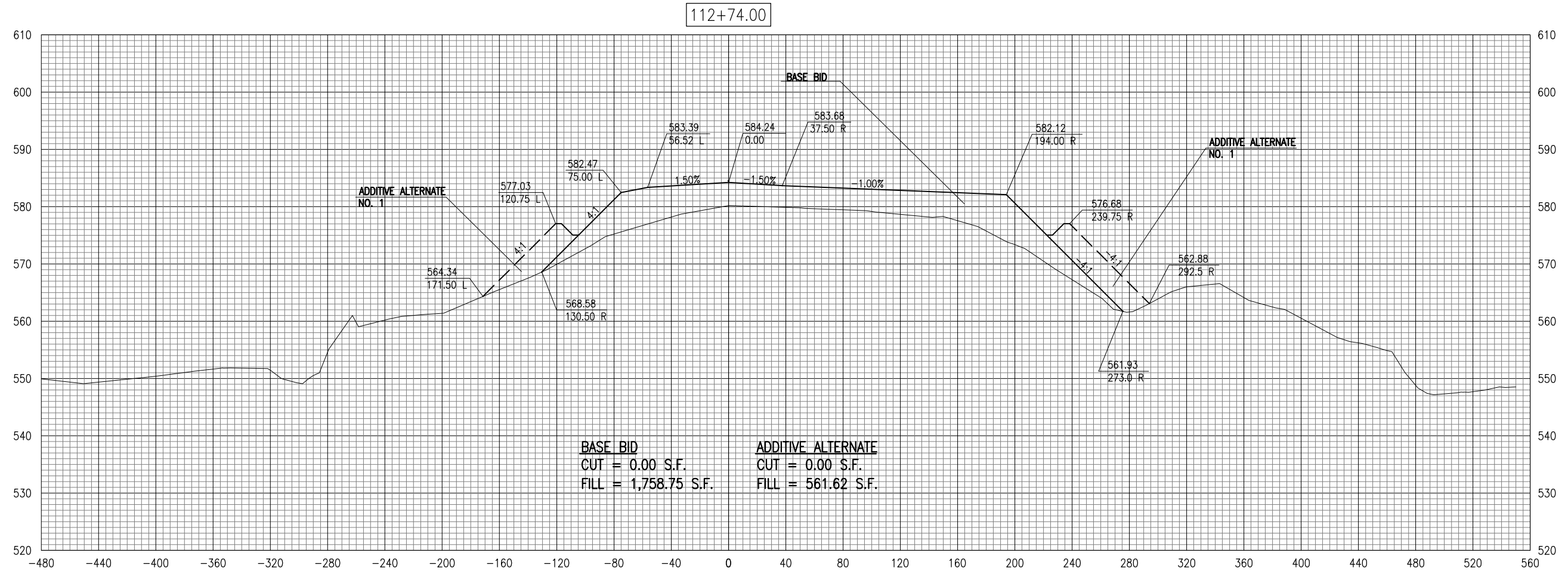
Hanson Project No. 09A0169D_0800	FILENAME R-308XSEC.DWG	SCALE V. 1" = 10' H. 1" = 40'	DATE 10/28/11
LAYOUT	JEO	05/24/10	
DRAWN	BAK	05/24/10	
REVIEWED	CAH	03/22/11	



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 112+50

DEC 13, 2011 10:11 AM HAGL000382
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DATE	REVISION	BY
10/25/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

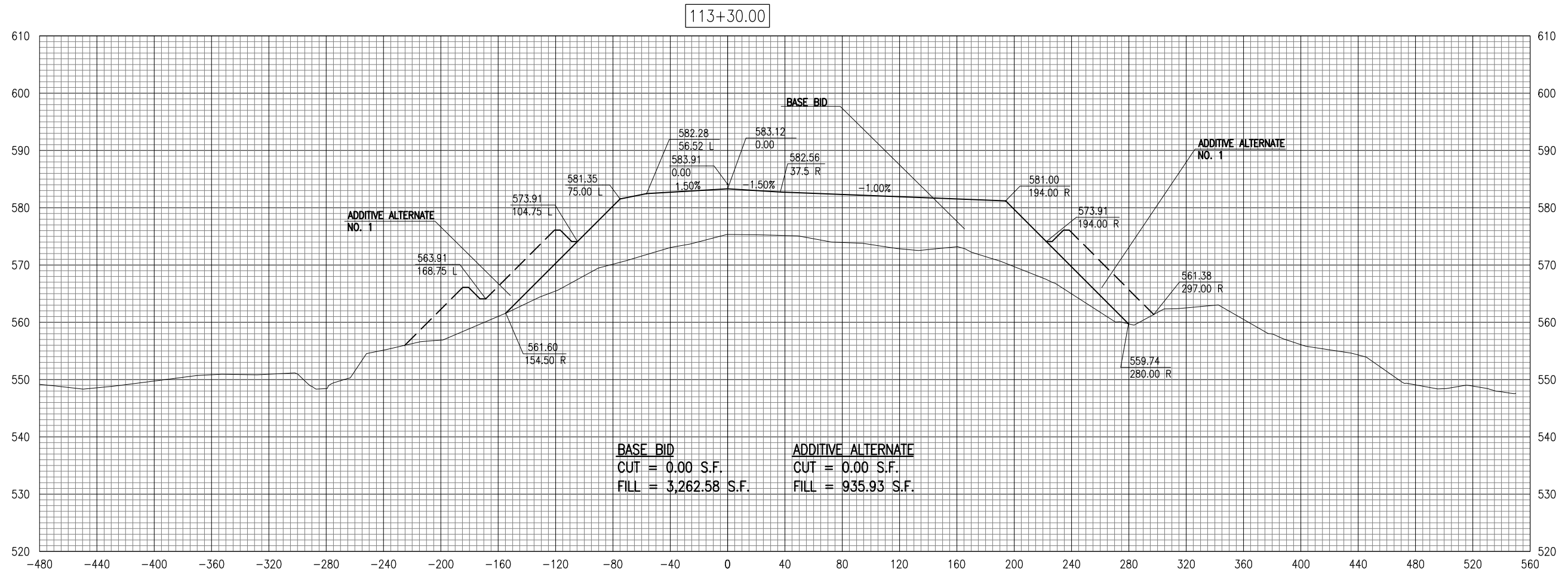
Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-308XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



**800' EXTENSION TO
 RUNWAY END 31**

**CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 112+74**

DEC 13, 2011 10:11 AM HAGL000382
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BASE BID	ADDITIVE ALTERNATE
CUT = 0.00 S.F.	CUT = 0.00 S.F.
FILL = 3,262.58 S.F.	FILL = 935.93 S.F.

DATE	REVISION	BY
10/25/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

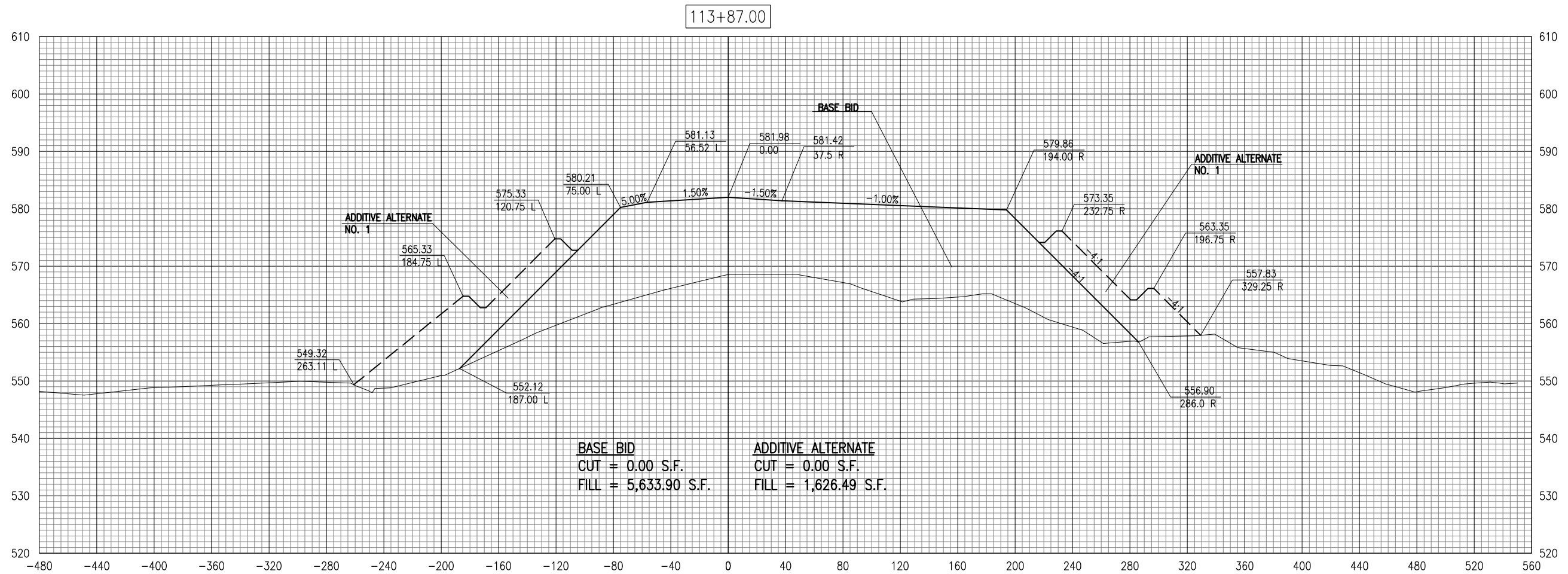
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-308XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 113+30

DEC 13, 2011 10:12 AM HAGL000382
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DATE	REVISION	BY
10/25/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

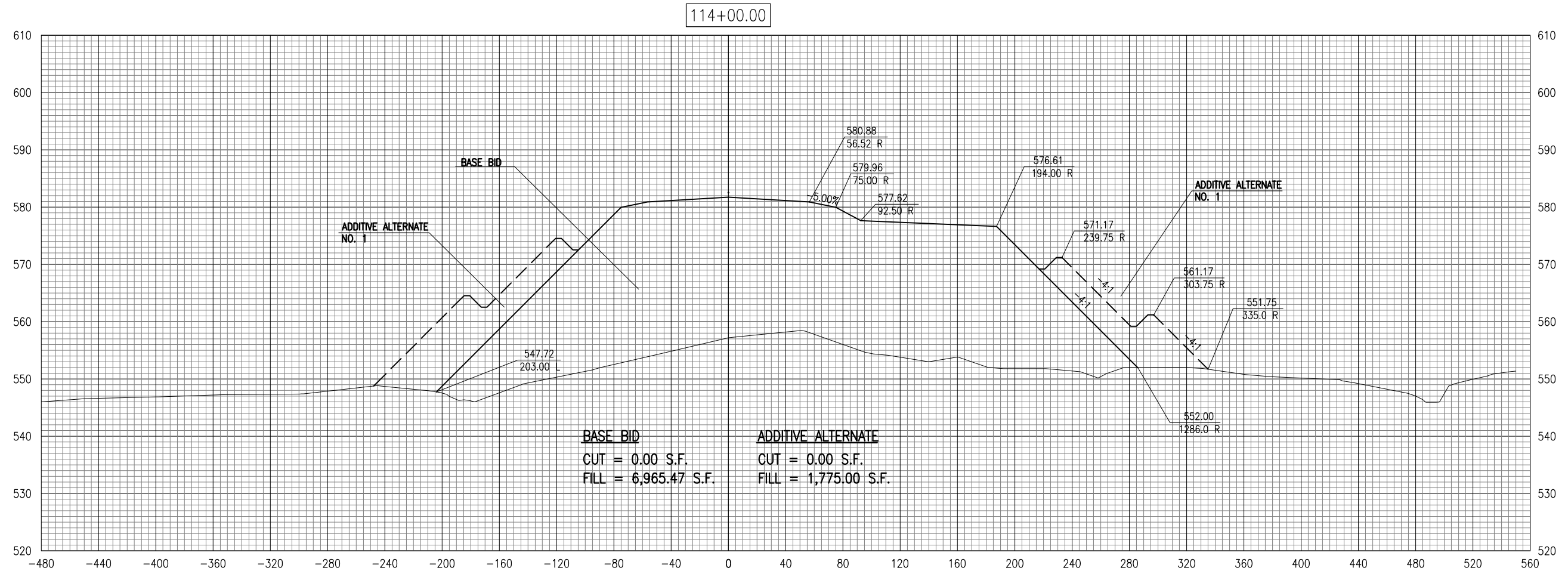
Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-308XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 113+87

DEC 13, 2011 10:13 AM HAGL000382
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DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

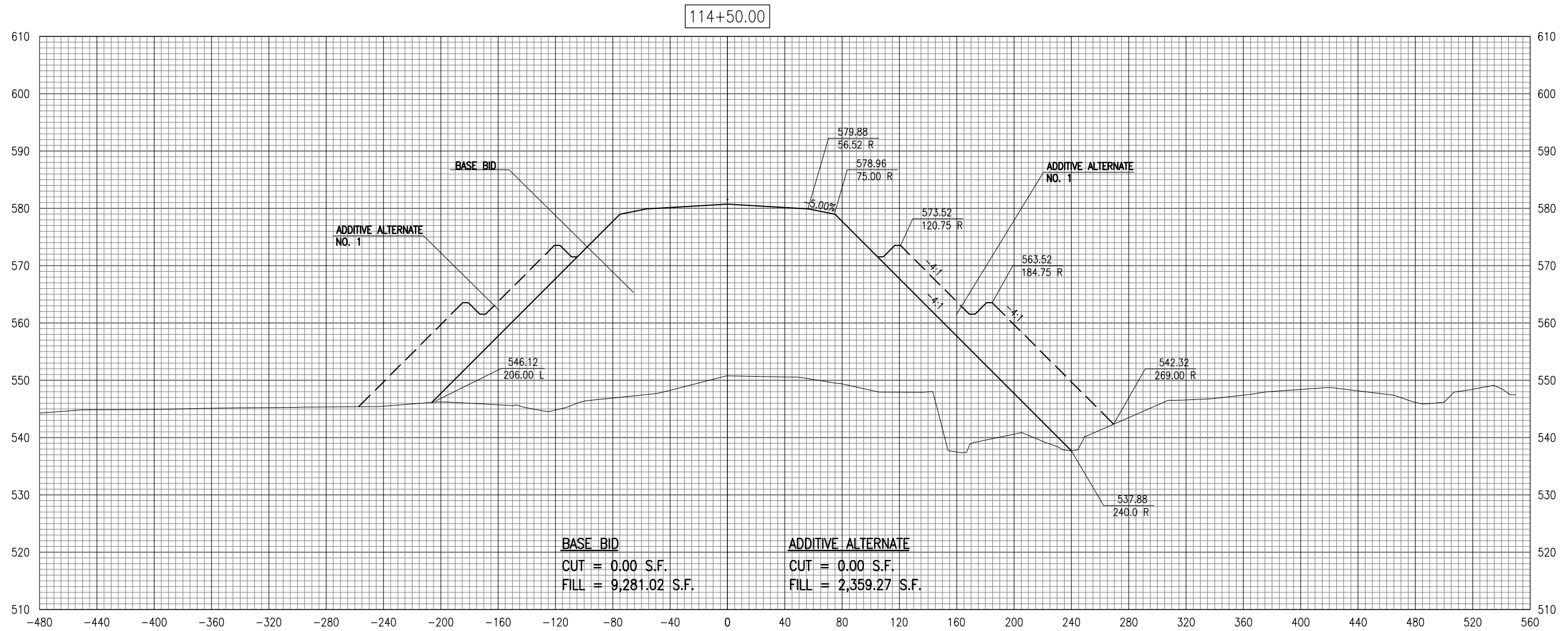
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	FILENAME R-308XSEC.DWG	SCALE V. 1" = 10' H. 1" = 40'
LAYOUT	JEO	05/24/10
DRAWN	BAK	05/24/10
REVIEWED	CAH	03/22/11



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 114+00

DEC 13, 2011 10:14 AM HAGL000382
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BASE BID
 CUT = 0.00 S.F.
 FILL = 9,281.02 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 2,359.27 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

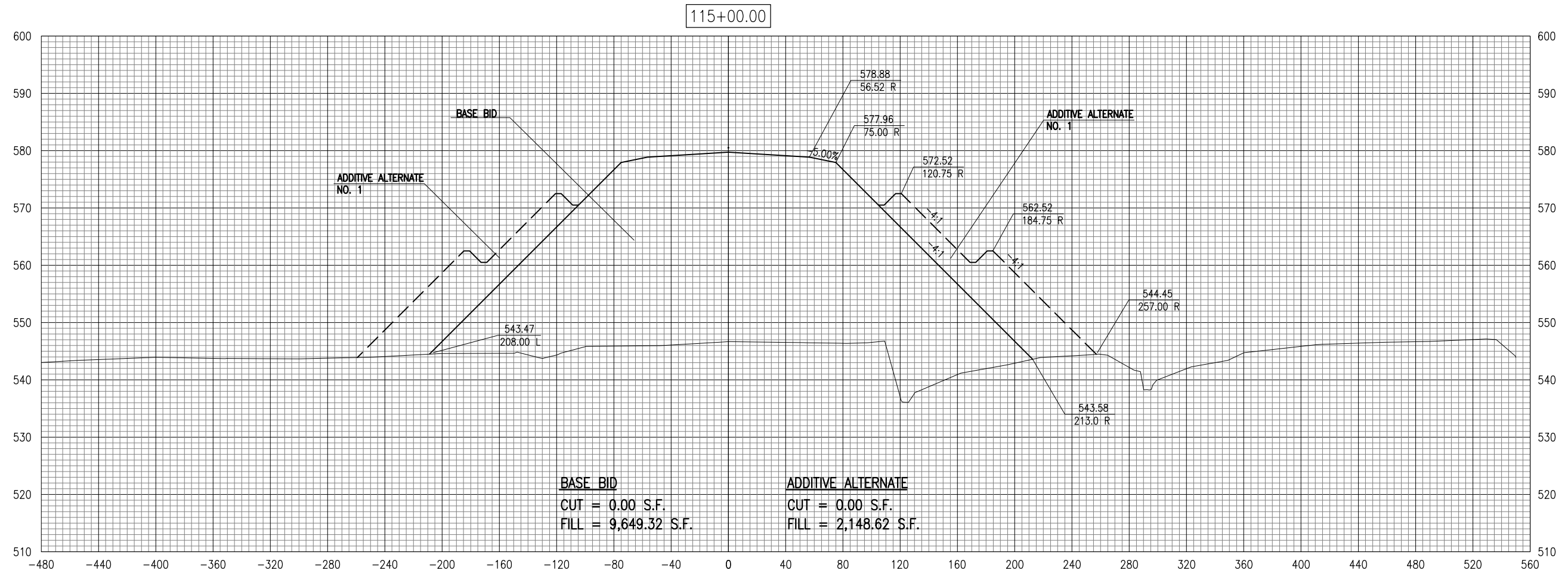
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-309XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 114+50

DEC 13, 2011 10:15 AM HAGL000382
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BASE BID	ADDITIVE ALTERNATE
CUT = 0.00 S.F.	CUT = 0.00 S.F.
FILL = 9,649.32 S.F.	FILL = 2,148.62 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

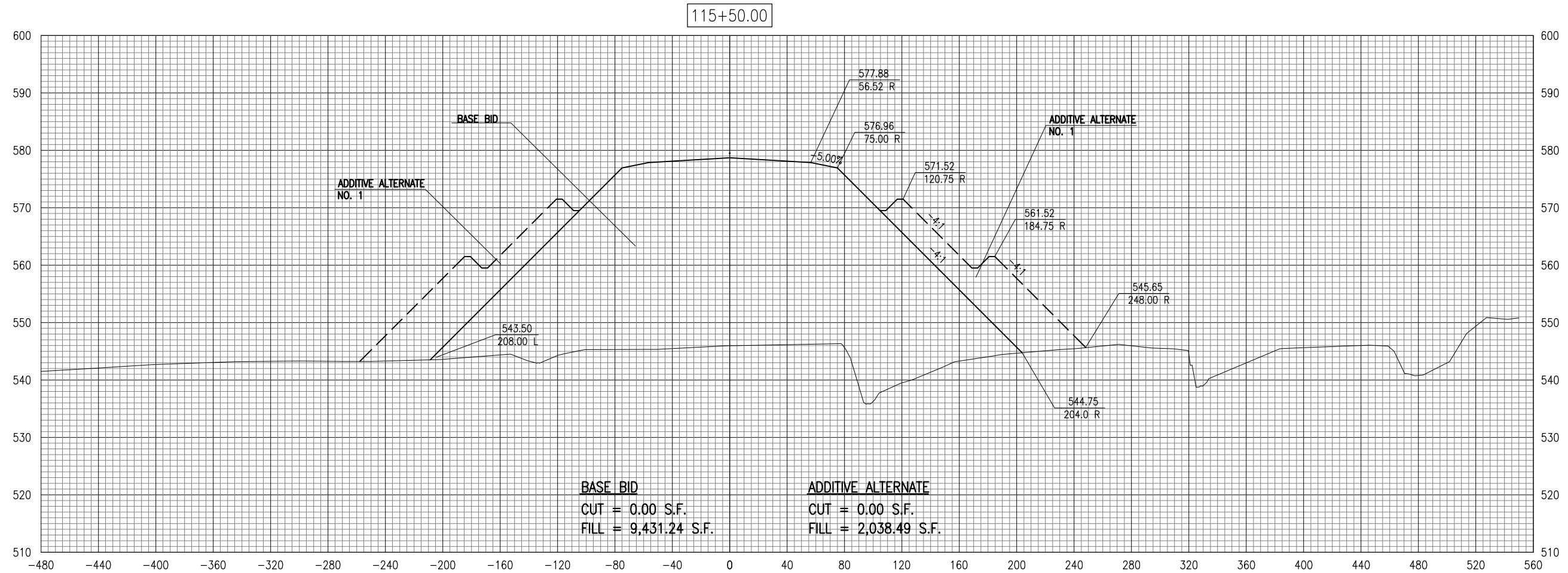
Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-309XSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			



Hanson Professional Services Inc.
 1626 W. State Street
 Springfield, IL 62703-2686
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800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 115+00

DEC 13, 2011 10:15 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-309XSEC.DWG - STA. 115+50



BASE BID
 CUT = 0.00 S.F.
 FILL = 9,431.24 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 2,038.49 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

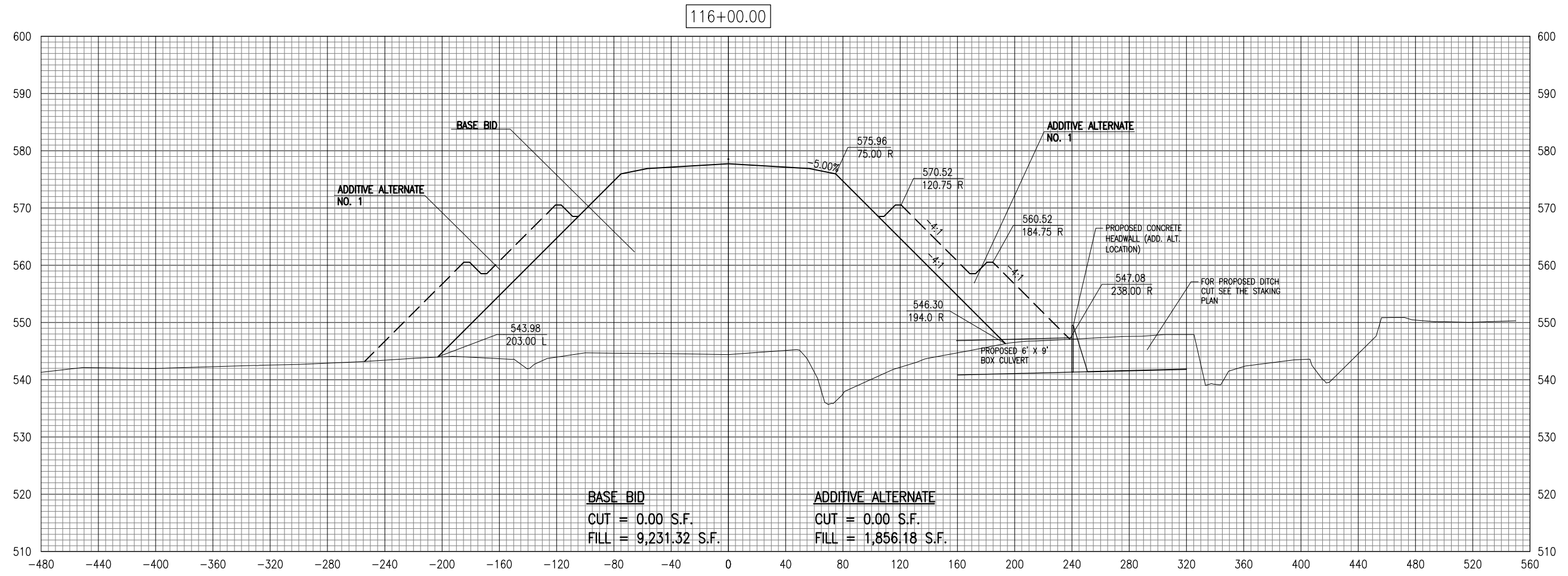
MARSHALL COUNTY AIRPORT
LACON, ILLINOIS
 I.L. PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	File Name R-309XSEC.DWG	Scale V. 1" = 10' H. 1" = 40'
Date 10/28/11	LAYOUT JEO	05/24/10
	DRAWN BAK	05/24/10
	REVIEWED CAH	03/22/11



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 115+50

DEC 13, 2011 10:16 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-309XSEC.DWG - STA. 116+00



DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

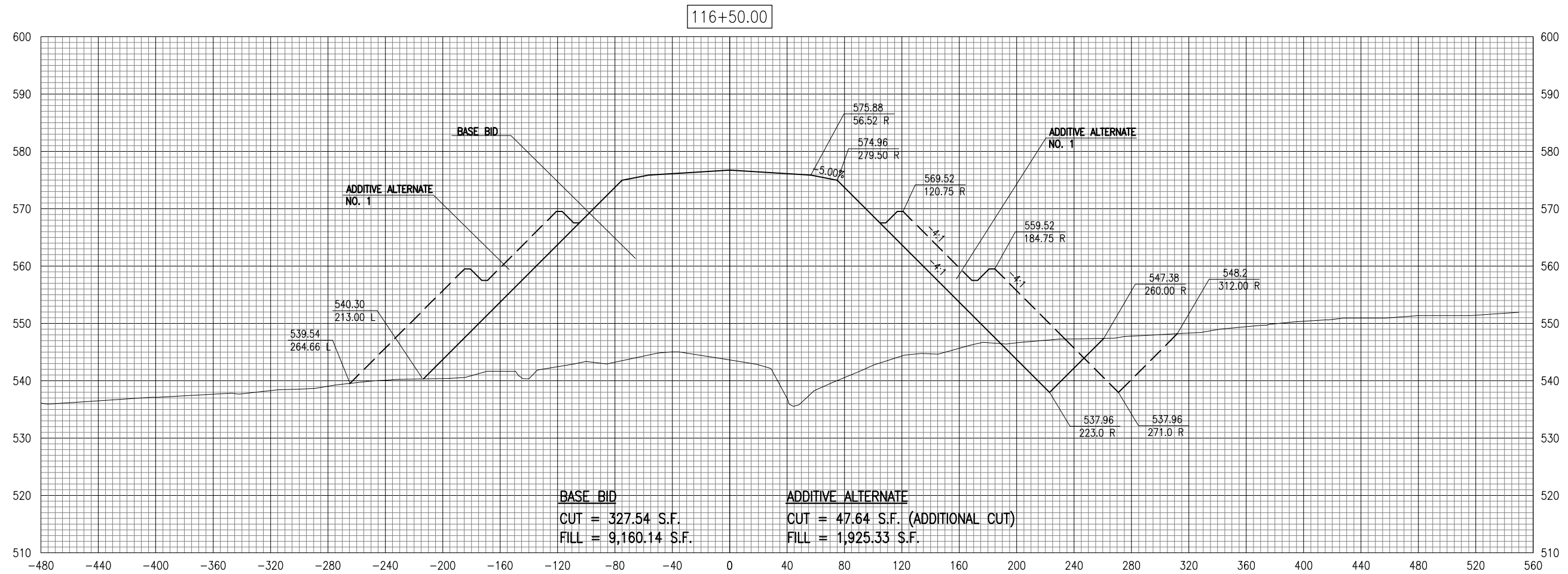
Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-309XSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 116+00

DEC 13, 2011 10:17 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-309XSEC.DWG - STA. 116+50



BASE BID
 CUT = 327.54 S.F.
 FILL = 9,160.14 S.F.

ADDITIVE ALTERNATE
 CUT = 47.64 S.F. (ADDITIONAL CUT)
 FILL = 1,925.33 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

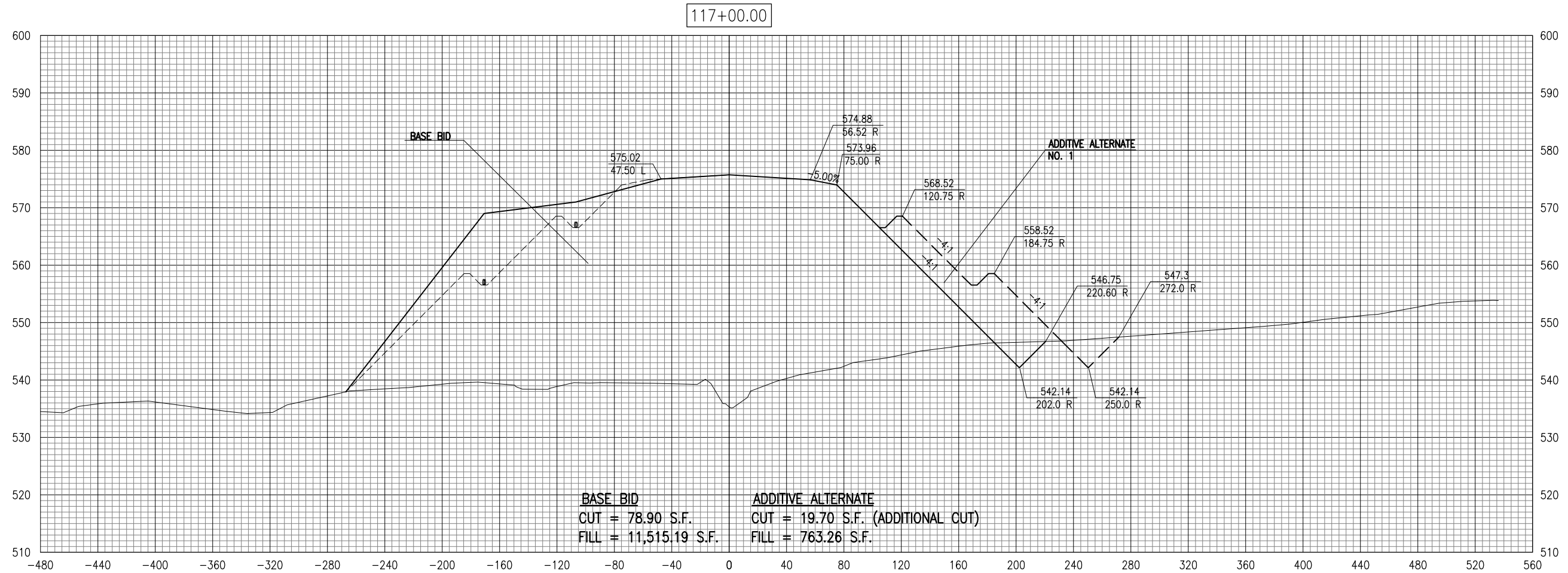
Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-309XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 116+50

DEC 13, 2011 10:18 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-310XSEC.DWG - STA. 117+00



BASE BID	ADDITIVE ALTERNATE
CUT = 78.90 S.F.	CUT = 19.70 S.F. (ADDITIONAL CUT)
FILL = 11,515.19 S.F.	FILL = 763.26 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

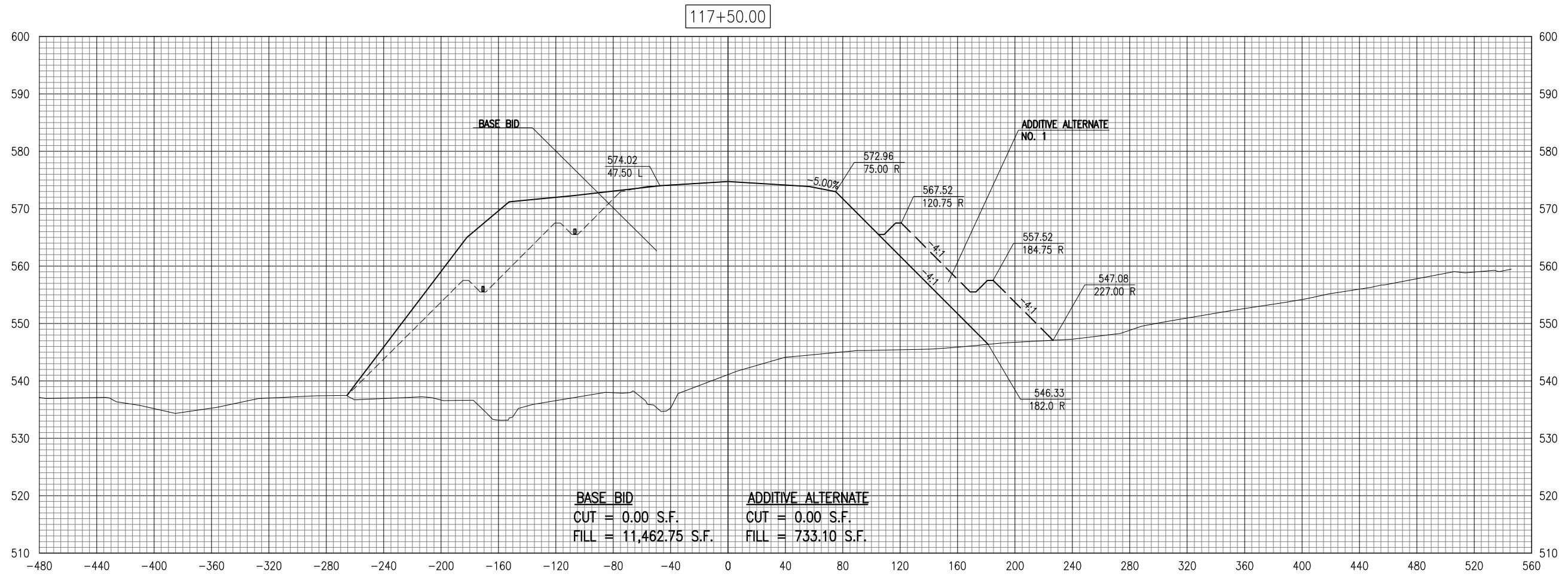
Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-310XSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	xx/xx/xx
Date 10/28/11			



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 117+00

DEC 13, 2011 10:19 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-310XSEC.DWG - STA. 117+50



BASE BID	ADDITIVE ALTERNATE
CUT = 0.00 S.F.	CUT = 0.00 S.F.
FILL = 11,462.75 S.F.	FILL = 733.10 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA REVIEW	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

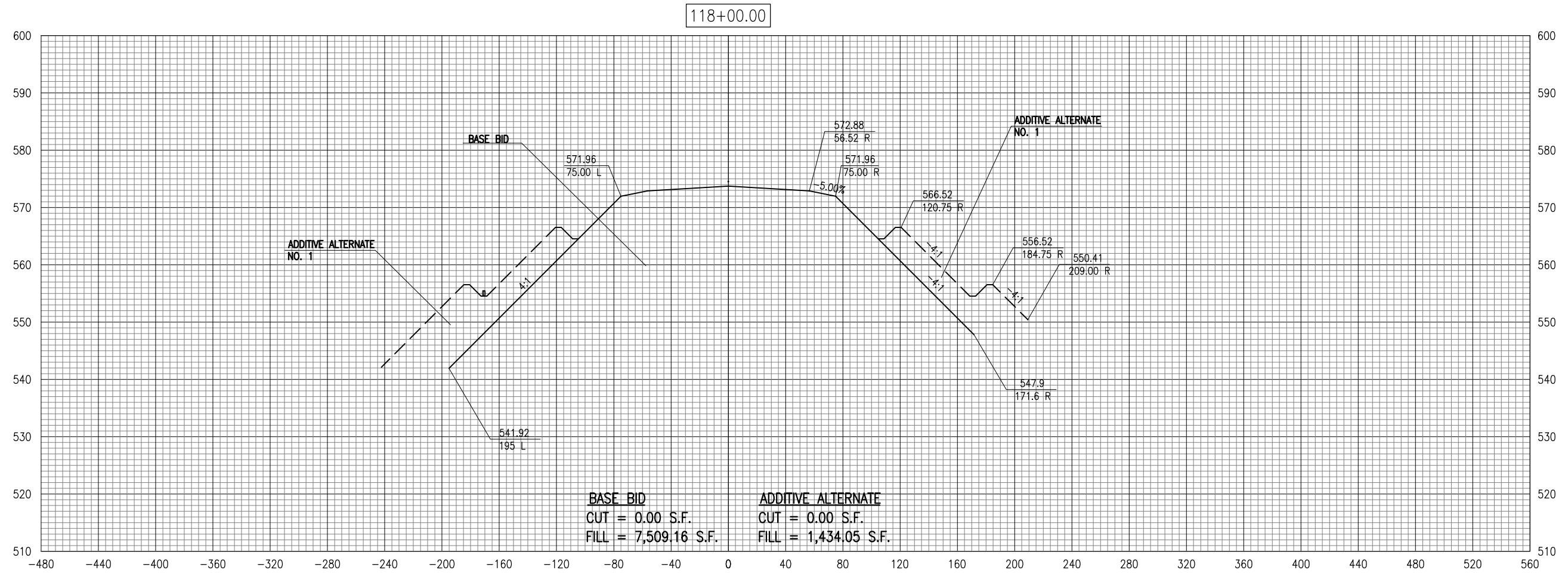
Hanson Project No. 09A0169D_0800	FILENAME R-310XSEC.DWG	Scale V. 1" = 10' H. 1" = 40'
LAYOUT	JEO	05/24/10
DRAWN	BAK	05/24/10
REVIEWED	CAH	xx/xx/xx



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 117+50

DEC 13, 2011 10:19 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-310XSEC.DWG - STA. 118+00



BASE BID
 CUT = 0.00 S.F.
 FILL = 7,509.16 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 1,434.05 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

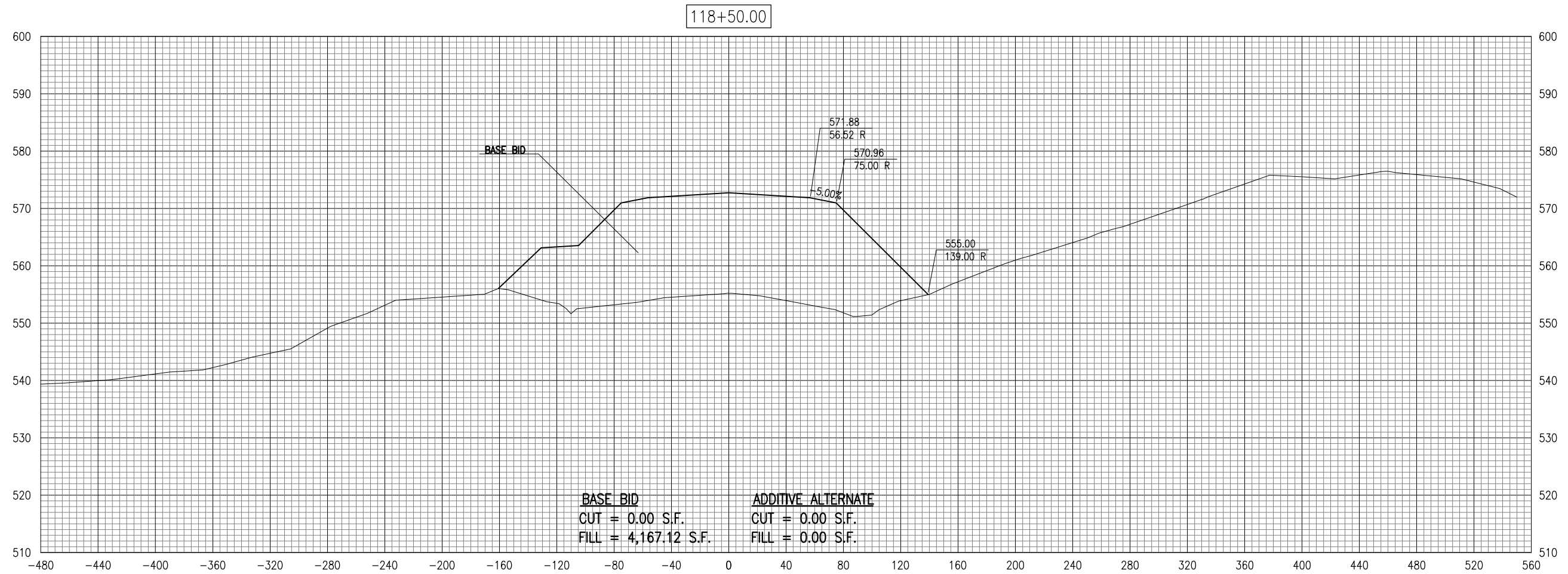
Hanson Project No. 09A0169D_0800	FILENAME R-310XSEC.DWG	SCALE V. 1" = 10' H. 1" = 40'	DATE 10/28/11
LAYOUT JEO	05/24/10	DRAWN BAK	05/24/10
REVIEWED CAH	xx/xx/xx		



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 118+00

DEC 13, 2011 10:20 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-310XSEC.DWG - STA. 118+50



118+50.00

BASE BID
 CUT = 0.00 S.F.
 FILL = 4,167.12 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

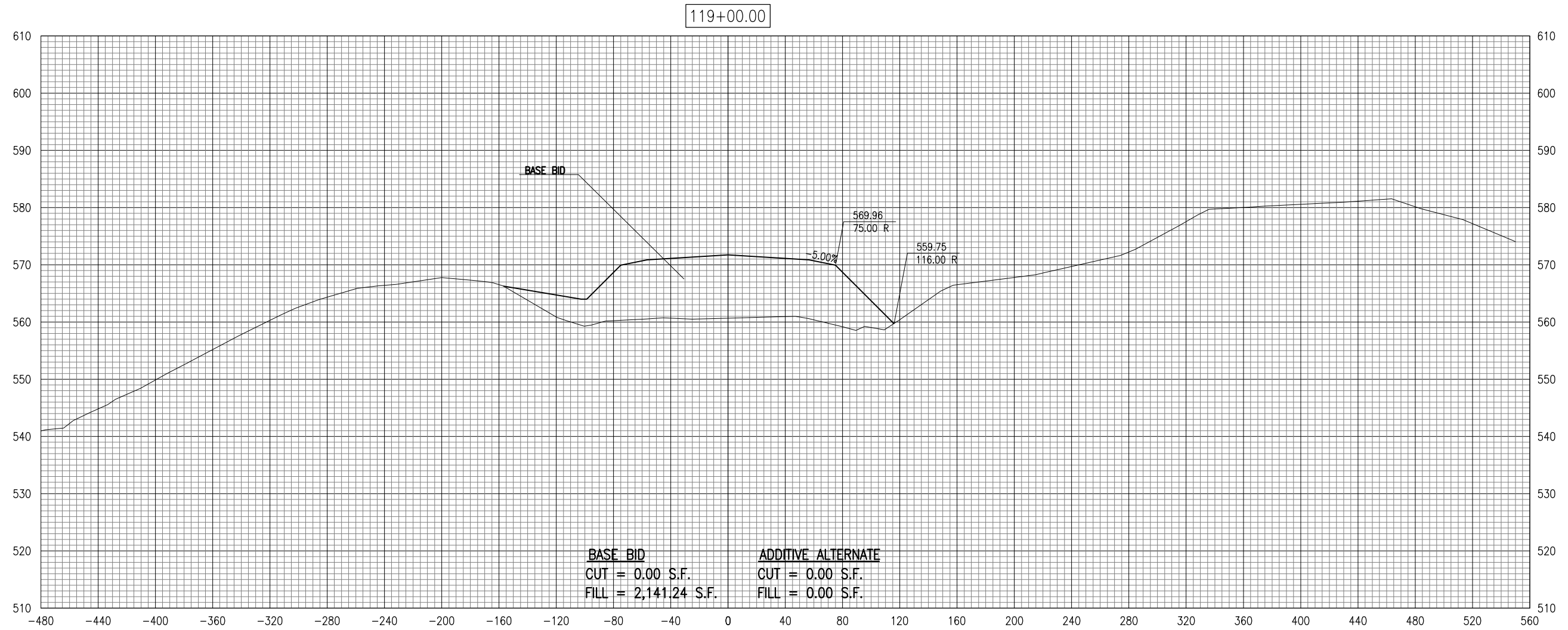
IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename: R-310XSEC.DWG	BAK	05/24/10
Scale: V. 1" = 10' H. 1" = 40'	CAH	xx/xx/xx
Date: 10/28/11		



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 118+50

DEC 13, 2011 10:21 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-310XSEC.DWG - STA. 119+00



<u>BASE BID</u>	<u>ADDITIVE ALTERNATE</u>
CUT = 0.00 S.F.	CUT = 0.00 S.F.
FILL = 2,141.24 S.F.	FILL = 0.00 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

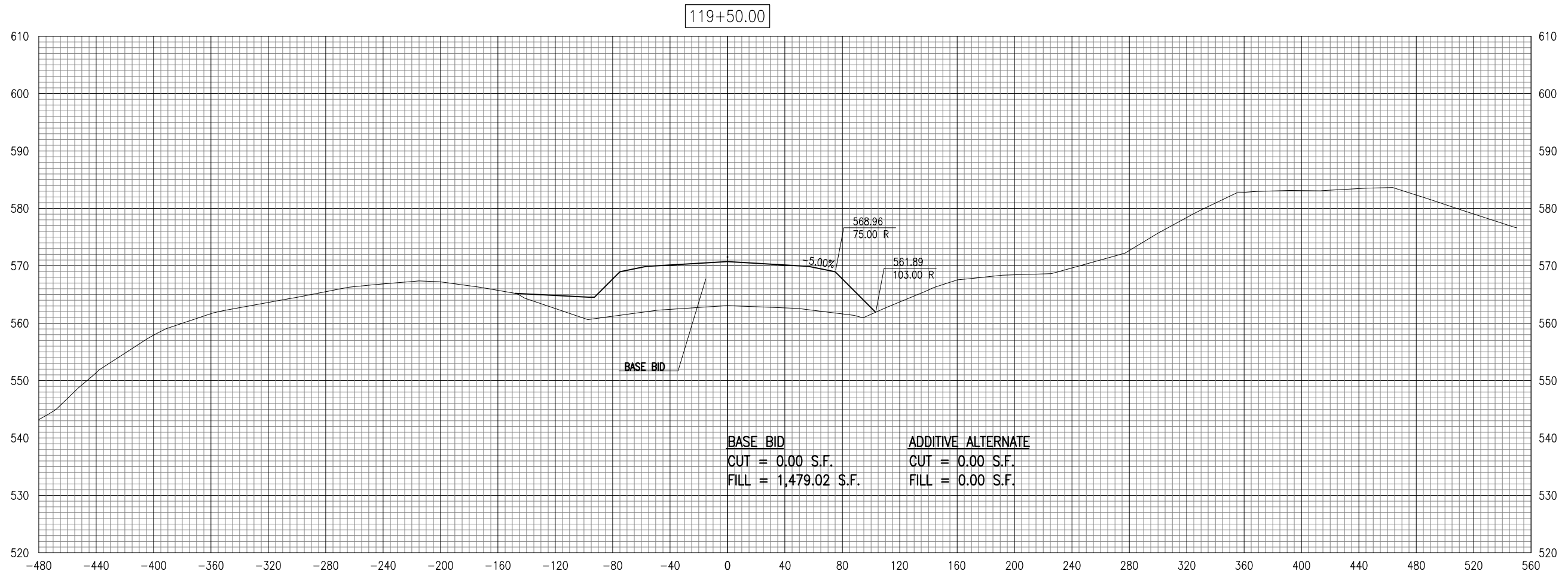
Hanson Project No. 09A0169D_0800	
Filename R-310XSEC.DWG	
Scale	V. 1" = 10' H. 1" = 40'
Date	10/28/11
LAYOUT	JEO 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH xx/xx/xx



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 119+00

DEC 13, 2011 10:22 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-311XSEC.DWG - STA. 119+50



BASE BID	ADDITIVE ALTERNATE
CUT = 0.00 S.F.	CUT = 0.00 S.F.
FILL = 1,479.02 S.F.	FILL = 0.00 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

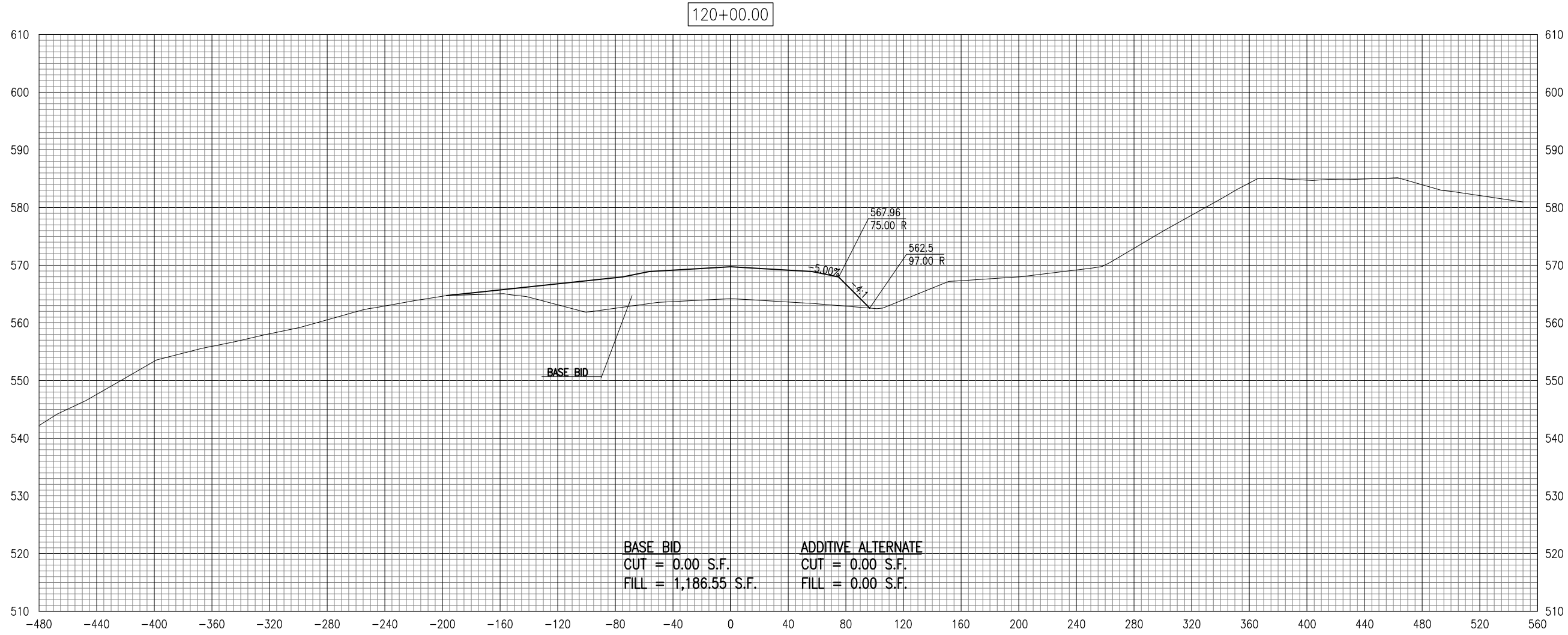
Hanson Project No. 09A0169D_0800	
Filename: R-311XSEC.DWG	
Scale: V. 1" = 10' H. 1" = 40'	Date: 10/28/11
LAYOUT	JEO 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/22/11



**800' EXTENSION TO
 RUNWAY END 31**

**CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 119+50**

DEC 13, 2011 10:23 AM HAGL000382
 I:\AIRPORTS\MARSHALL\09A0169D\CADD\AIRPORT\SHEETS\R-311XSEC.DWG - STA. 120+00



DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

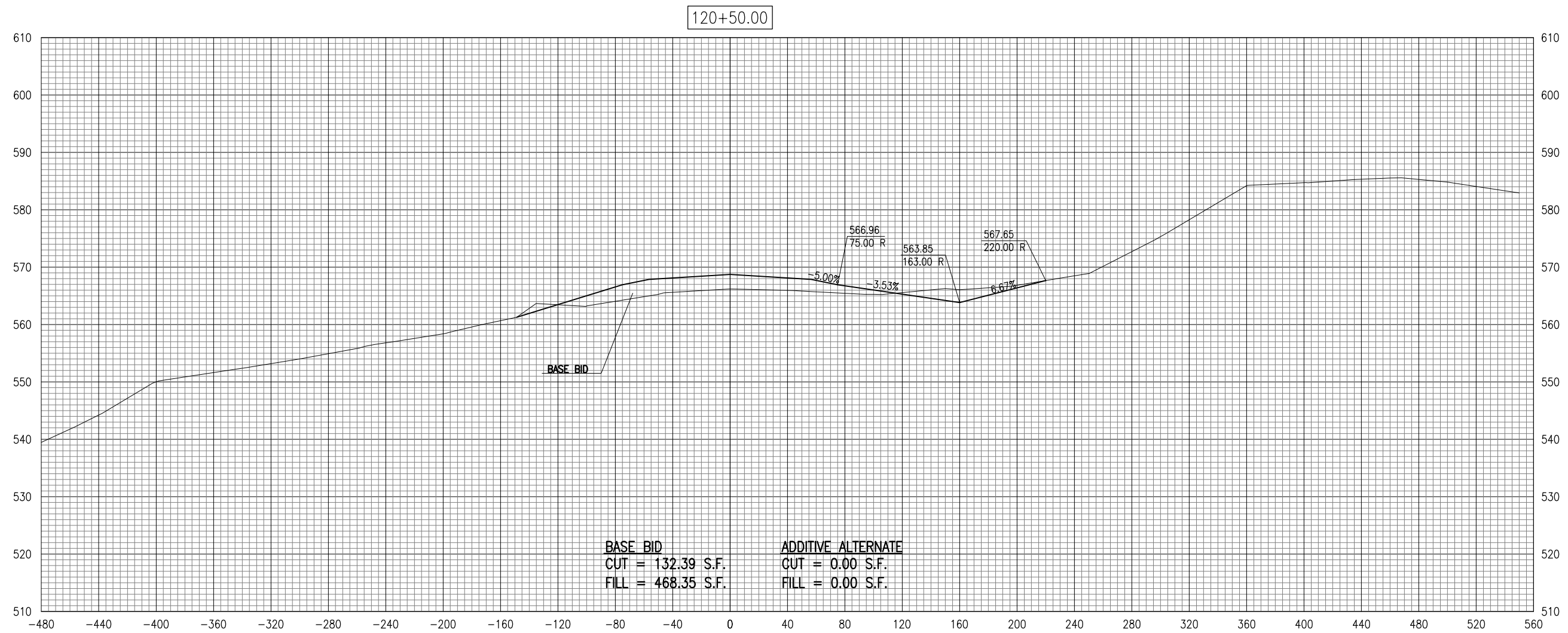
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Filename	R-311XSEC.DWG
Scale	V. 1" = 10' H. 1" = 40'
Date	10/28/11
LAYOUT	JEO 05/24/10
DRAWN	BAK 05/24/10
REVIEWED	CAH 03/22/11



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 120+00

DEC 13, 2011 10:24 AM HAGL000382
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BASE BID
 CUT = 132.39 S.F.
 FILL = 468.35 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

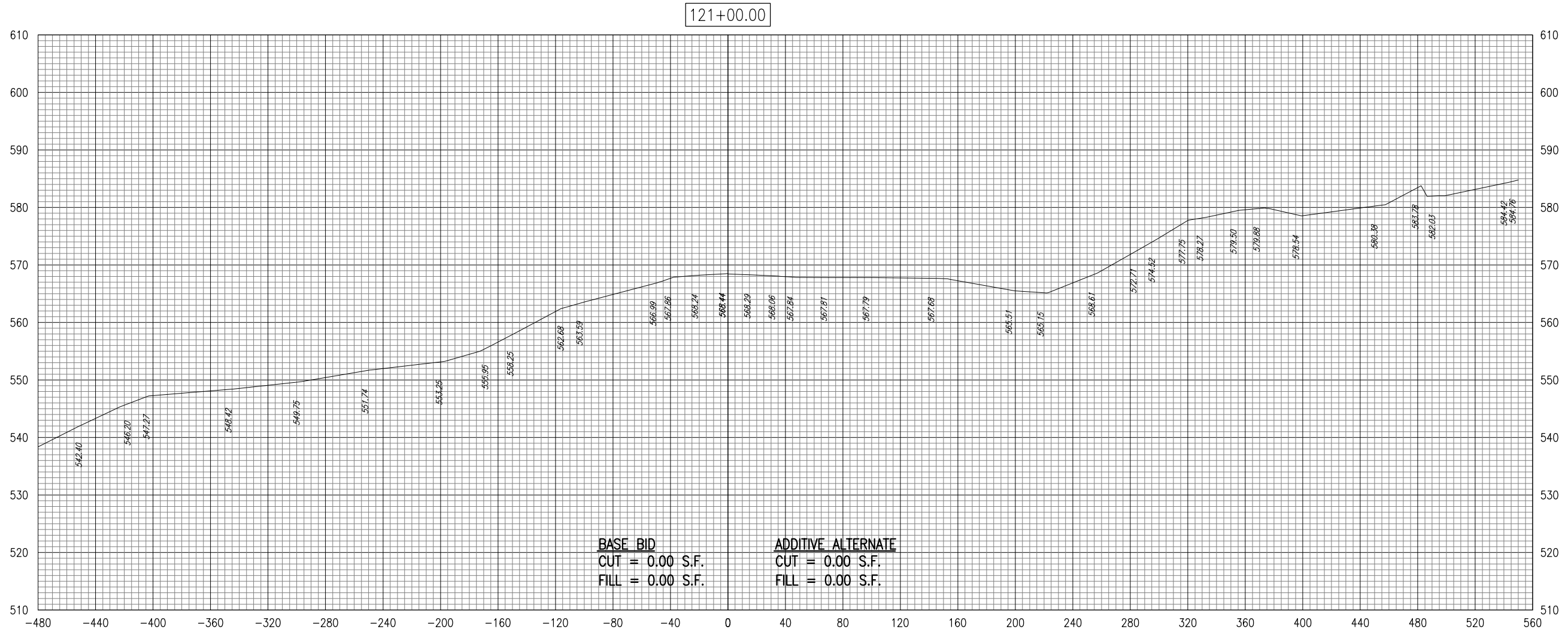
**MARSHALL COUNTY AIRPORT
 LACON, ILLINOIS**

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	JEO	05/24/10
Filename R-311XSEC.DWG	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	CAH	03/22/11
Date 10/28/11		



800' EXTENSION TO
 RUNWAY END 31
 CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 120+50



BASE BID
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

ADDITIVE ALTERNATE
 CUT = 0.00 S.F.
 FILL = 0.00 S.F.

DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

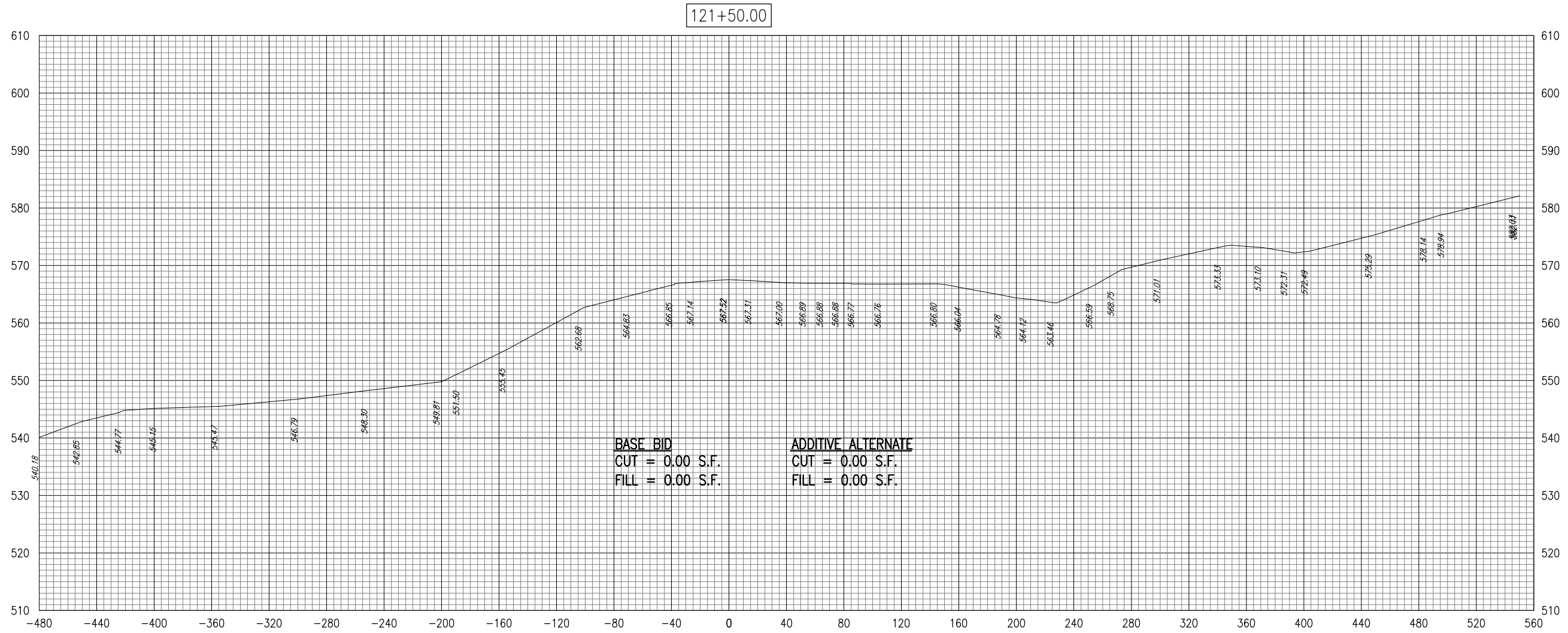
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Hanson Project No. 09A0169D_0800	LAYOUT	JEO	05/24/10
Filename R-311XSEC.DWG	DRAWN	BAK	05/24/10
Scale V. 1" = 10' H. 1" = 40'	REVIEWED	CAH	03/22/11
Date 10/28/11			



800' EXTENSION TO
 RUNWAY END 31

CROSS-SECTIONS FOR
 RUNWAY EXTENSION
 STA. 121+00



DATE	REVISION	BY
10/11/11	AS PER IDA COMMENTS	CAH

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-3989 A.I.P. PROJ.: 3-17-0059-B12

Hanson Project No. 09A0169D_0800	FILENAME R-311XSEC.DWG	Scale V. 1" = 10' H. 1" = 40'
Date 10/28/11	LAYOUT JEO	05/24/10
DRAWN BAK	REVIEWED CAH	05/24/10



800' EXTENSION TO RUNWAY END 31

CROSS-SECTIONS FOR RUNWAY EXTENSION STA. 121+50