

**MT CARMEL
MUNICIPAL AIRPORT**

TOWNSHIP: DESSON
SECTION: 14 & 15
COUNTY: LAWRENCE

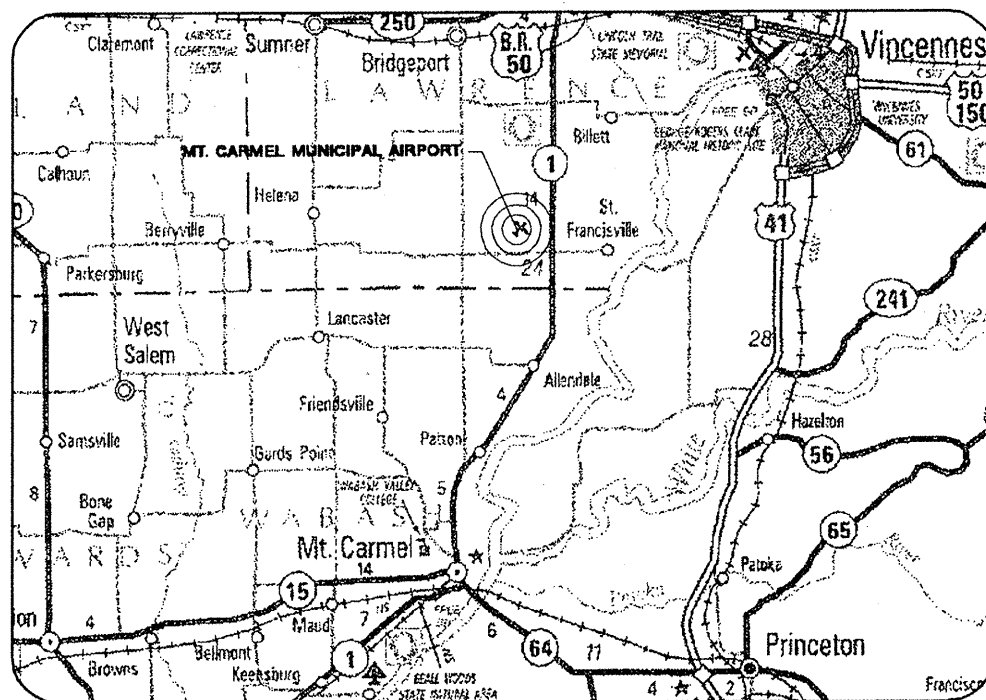
DESSON AIRCRAFT APPROACH CATEGORY: B
DESSON AIRCRAFT GROUP: I

CALL J.U.L.I.E.
BEFORE EXCAVATING
1-800-892-0123

CONSTRUCTION PLANS FOR MT. CARMEL MUNICIPAL AIRPORT MT. CARMEL, LAWRENCE COUNTY, ILLINOIS REHABILITATE SE PORTION OF PARALLEL TAXIWAY TO RUNWAY 4/22 AND MARK AIRPORT

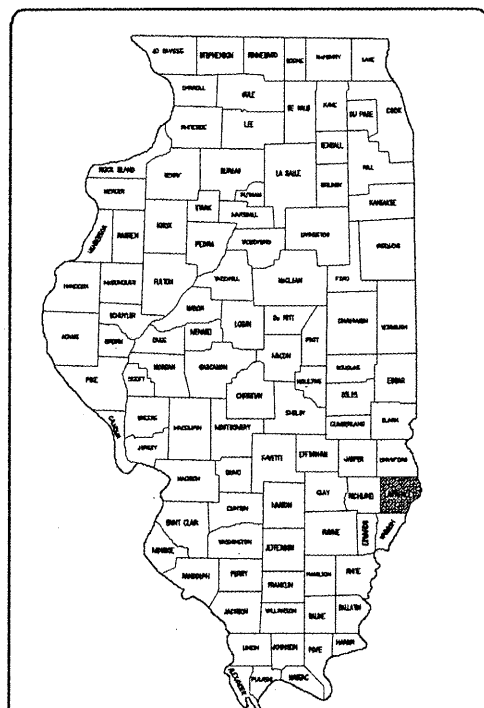
SCOPE OF WORK

THIS PROJECT CONSISTS OF THE REHABILITATION OF THE SE PORTION OF TAXIWAY "A" WITH A POROUS FRICTION COURSE AND THE MARKING OF ALL RUNWAYS AND TAXIWAYS.

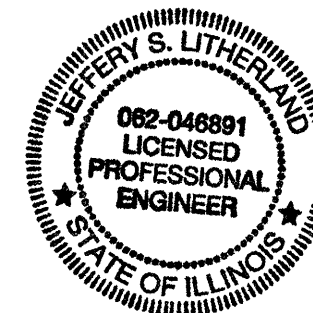


LOCATION

ILL. PROJ.: AJG-3779
A.I.P. PROJ.: 3-17-0073-B13
LATITUDE: 38° 36' 24"
LONGITUDE: 87° 43' 36"
ELEVATION: 429.0' M.S.L.
DATE: July 2, 2008



LOCATION OF COUNTY



Revised 07/02/08

HANSON
Hanson Professional Services Inc.

Submitted by: *Jeffrey S. Litherland* ENG'R
Date Submitted: *July 2, 2008*
Lic. Exp. Date: *Nov. 30, 2009*

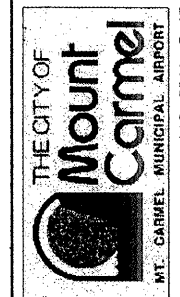
CITY OF MT. CARMEL

Approved: *Thomas W. Neuba* MAYOR
Date: *July 10 2008*

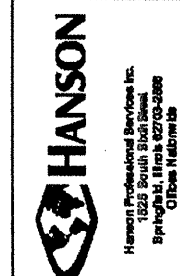
AIRPORT COMMISSION

Approved: _____ CHAIRMAN
Date: _____

DATE	REVISION



ILL. PROJ. NO. 08200161.DWG	04/24/08
FILENAME: R-001CVR.DWG	04/24/08
SCALE: NOT TO SCALE	04/24/08
DATE: 04/24/08	04/24/08
LAYOUT: J.S.L.	04/24/08
DRAWN: B.A.K.	04/24/08
REVIEWED: J.S.L.	04/24/08



REHAB. PARALLEL TAXIWAY & MARKINGS

COVER SHEET

MC022

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150540	HAUL ROUTE	L.S.	1	
AR152480	SHOULDER ADJUSTMENT	S.Y.	3,400	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	7,000	
AR401655	BUTT JOINT CONSTRUCTION	S.Y.	608	
AR402622	POROUS FRICTION COURSE, 0.10'	S.Y.	9,360	
AR602510	BITUMINOUS PRIME COAT	GAL.	1,020	
AR603510	BITUMINOUS TACK COAT	GAL.	2,340	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	36,780	
AR620525	PAVEMENT MARKING-BLACK BORDER	S.F.	10,507	
AR620900	PAVEMENT MARKING REMOVAL	S.F.	15,672	
AR625510	TAR EMULSION SEAL COAT	S.Y.	15,672	
AR800440	EPOXY PAINT REMOVAL	S.F.	23,108	

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	ACTIVITY AND SEQUENCING PLAN
5	TYPICAL CROSS-SECTION DETAIL AND PAVING NOTES
6	PROPOSED CONSTRUCTION PLAN TAXIWAY "A"
7	PROPOSED CONSTRUCTION PLAN TAXIWAY "A"
8	MARKING PLAN RUNWAY 13/31
9	MARKING PLAN RUNWAY 13/31
10	MARKING PLAN RUNWAY 13/31
11	MARKING PLAN RUNWAY 4/22
12	MARKING PLAN RUNWAY 4/22
13	MARKING PLAN RUNWAY 4/22
14	MARKING PLAN TAXIWAY & RAMP AREA

DATE	REVISION	BY



HD Project No. 08A0016D.0800 Filename: R-002FLP.DWG Scale: NOT TO SCALE Date: 04/24/08	LAYOUT DRAWN: J.S.L. 04/24/08 B.A.K. 04/24/08 REVIEWED: xxx xx/xx/xx
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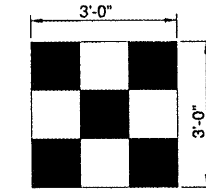


REHAB. PARALLEL TAXIWAY & MARKINGS
 SUMMARY OF QUANTITIES AND INDEX TO SHEETS

IL PROJ.: AUG-3779 A.I.P. PROJ.: J-17-0073-813

GENERAL NOTES:

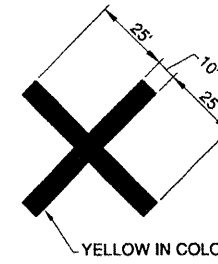
1. ALL RUNWAYS, TAXIWAYS AND APRONS SHALL BE KEPT OPEN TO AIRCRAFT TRAFFIC DURING CONSTRUCTION EXCEPT AS NOTED.
2. WHILE ON THE AIRPORT SITE, THE CONTRACTOR'S VEHICLES ARE TO BE PROPERLY MARKED. THE MARKINGS SHALL CONSIST OF A 3 FOOT SQUARE FLAG CONSISTING OF A CHECKERED PATTERN OF INTERNATIONAL ORANGE AND WHITE SQUARES (SEE DETAIL THIS SHEET) DISPLAYED IN FULL VIEW ABOVE THE VEHICLE.
3. THE CONTRACTOR SHALL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT WITH THE AIRPORT UNICOM (FREQ. 122.7 MHZ) ANYTIME CONSTRUCTION ACTIVITIES ARE UNDERWAY. THIS WILL PROVIDE A MEANS FOR THE AIRPORT TO CONTACT THE CONTRACTOR IN THE EVENT OF AN AERONAUTICAL EMERGENCY THAT WOULD REQUIRE AN ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL. THE CONTRACTOR SHALL PROVIDE HIS OWN RADIOS.
4. WHEN CONFLICTS ARISE BETWEEN CONSTRUCTION ACTIVITIES AND AIRCRAFT OPERATIONS AND SAFETY, AIRCRAFT OPERATIONS AND SAFETY SHALL TAKE PRECEDENCE AND SHALL GOVERN. FINAL AUTHORITY IN THE APPROVAL OF CONSTRUCTION SEQUENCING LIES WITH THE AIRPORT MANAGER.
5. THE CONTRACTOR WILL BE PERMITTED TO STORE EQUIPMENT AND MATERIALS AT THE LOCATIONS SHOWN. THE CONTRACTOR SHALL EXERCISE CARE AND RESTORE THE SOD AREAS TO THEIR ORIGINAL CONDITION AND AVOID THE MARRING OF THE PAVEMENTS.
6. VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED WITHIN AREAS 80' FROM THE CENTERLINE OF ACTIVE TAXIWAYS OR 250' FROM THE CENTERLINE OF ACTIVE RUNWAYS.
7. ALL PAVEMENTS, DRIVES OR ANY OTHER AREAS UTILIZED BY THE CONTRACTOR FOR HAUL ROADS OR STORAGE AREAS SHALL BE MAINTAINED AND REPAIRED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE AIRPORT MANAGER. NO ADDITIONAL COMPENSATION SHALL BE MADE TO THE CONTRACTOR FOR THIS WORK.
8. TURF AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE RESTORED BY HIM AT HIS EXPENSE TO THE SATISFACTION OF THE AIRPORT MANAGER.
9. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN ALL CONSTRUCTION AREAS WHICH WILL BE OPENED TO AIR TRAFFIC.
10. CONTRACTOR'S ACCESS SHALL BE AS FOLLOWS:
 - A. THE CONTRACTOR'S ACCESS TO THE WORK SHALL BE AT THE LOCATIONS SHOWN. DURING OPERATIONS INVOLVING CONTINUOUS HAULING, THE SOUTHEAST GATE SHALL BE USED.
 - B. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND TEMPORARY EASEMENTS FOR THE ACCESS ROAD(S) SHOWN AND SHALL COMPLY WITH ALL TRAFFIC CONTROL SIGNAGE REQUIRED BY THE COUNTY, TOWNSHIP OR I.D.O.T.
 - C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ACCESS GATE(S) CLOSED DURING WORKHOURS.
 - D. THE CONTRACTOR SHALL ENSURE THAT THE ACCESS GATE(S) ARE CLOSED AND LOCKED UPON LEAVING THE SITE.
 - E. ALL COSTS RELATING TO CONTRACTOR'S ACCESS AND SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - F. THE CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN SUCH A WAY AS NOT TO VIOLATE AIRPORT PART 77 SURFACES, OR RUNWAY AND TAXIWAY SAFETY.
 - G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ACTIVE AIRFIELD PAVEMENTS WHICH ARE CROSSED BY HIS VEHICLES ACCESSING THE WORK OR DEPARTING THE WORK IMMEDIATELY FOLLOWING SAID VEHICLE.
 - H. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL RESTORE THE ACCESS ROADS AND LAYDOWN AREA TO PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL EXPENSE TO THE PROJECT.



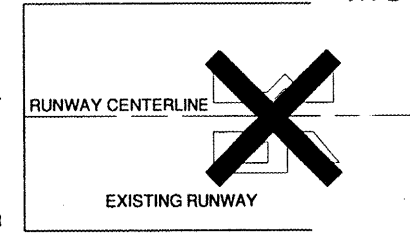
ORANGE AND WHITE

CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG

2
3
N.T.S.



YELLOW IN COLOR



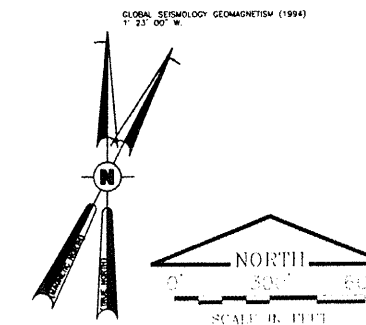
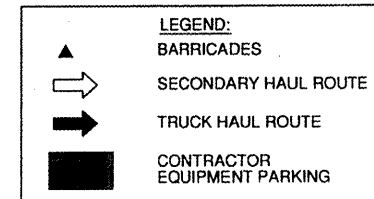
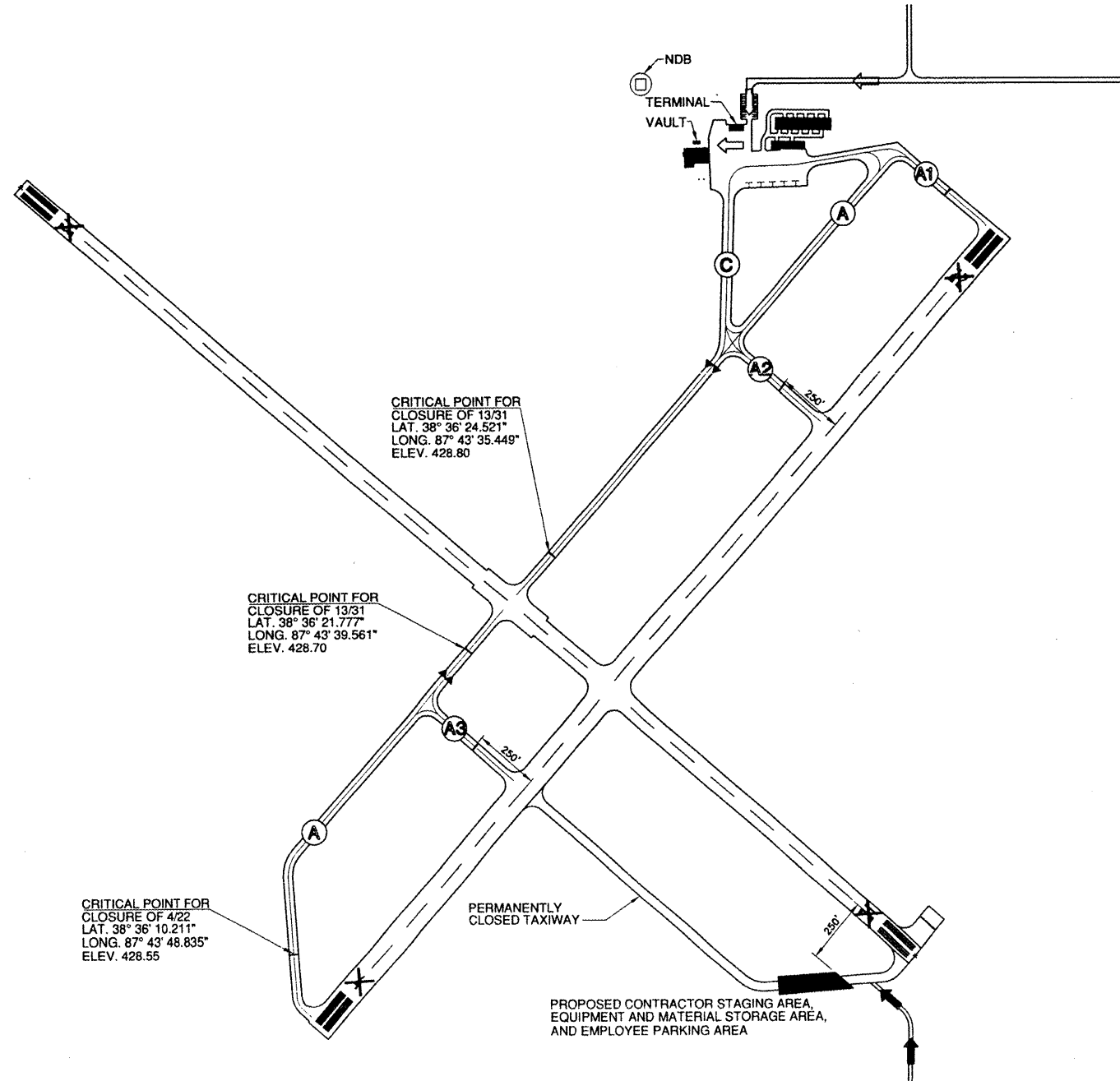
DETAIL OF CROSS FOR CLOSED RUNWAY

1
3
N.T.S.

NOTE:
COST OF CONSTRUCTION, 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 RESIDENT ENGINEER. THE PROPOSED CROSSES WILL BE PLACED WHEN 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.

HEIGHT OF CONSTRUCTION EQUIPMENT
THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 20 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A DUMP TRAILER.

BARRICADES / TRAFFIC CONTROL
IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES, TRAFFIC CONES, SIGNS OR OTHER TEMPORARY BARRIERS TO SEPARATE AIRCRAFT TRAFFIC AND CONSTRUCTION TRAFFIC. BARRICADES USED ON THE AIRFIELD WILL BE EQUIPPED WITH 20" SQUARE ORANGE FLAGS AND RED FLASHING LIGHTS. THE RESPONSIBILITY OF AND COST OF ERECTION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL MEASURES USED BY THE CONTRACTOR SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



MC022

BY	
REVISION	
DATE	

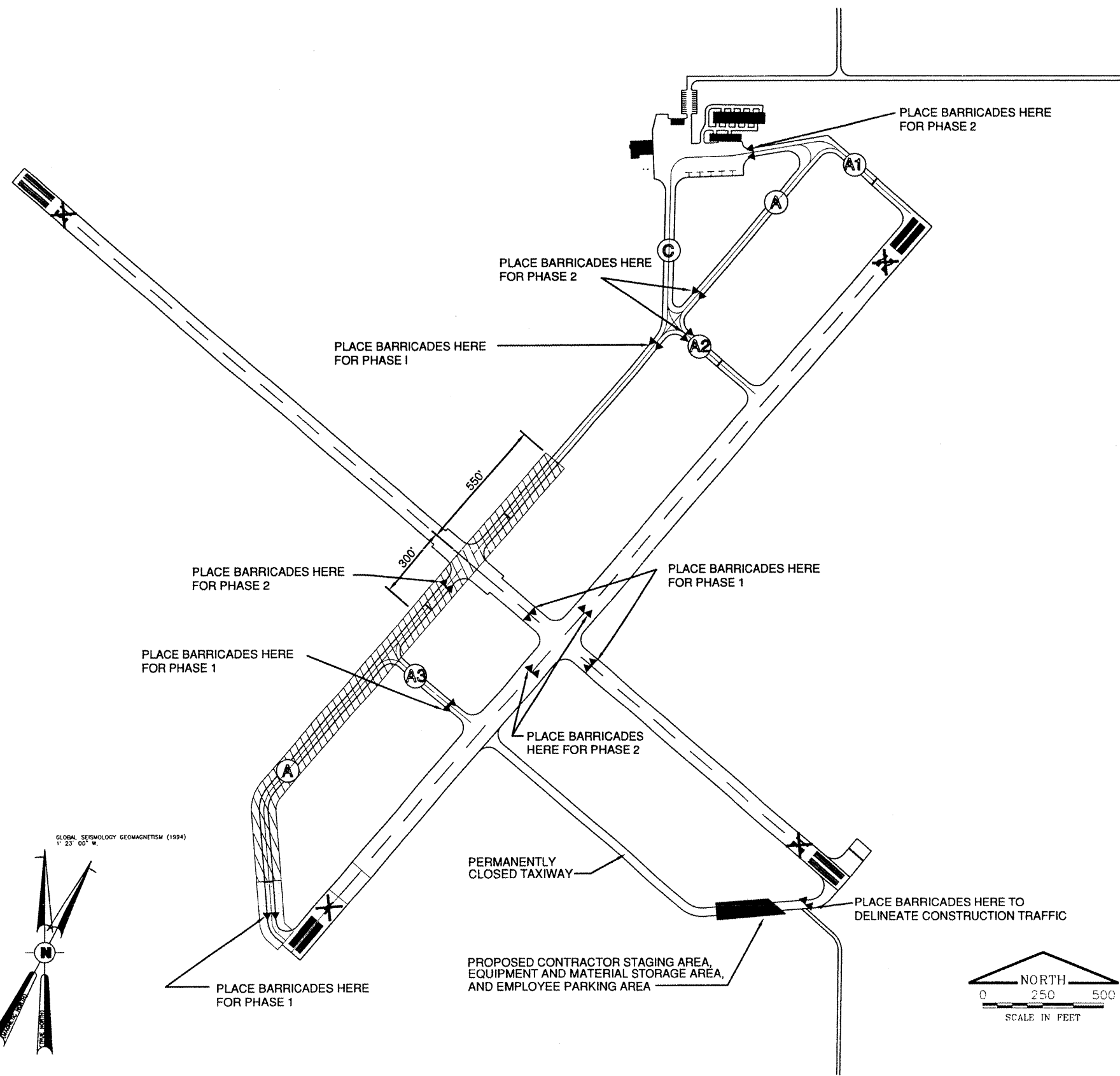
THE CITY OF
Mount Carmel
MT. CARMEL MUNICIPAL AIRPORT
A.I.P. PROJ.: 3-17-0073-813
IL. PROJ. AUG-3779

IGD Project No. 08A0016D.0800	
File Name: R-0035FY.DWG	
Scale: 1" = 300'	
Date: 04/24/08	
LAYOUT	J.S.L. 04/24/08
DRAWN	B.A.K. 04/24/08
REVIEWED	xxx xx/xx/xx

HANSON
Hanson Professional Services Inc.
1000 S. Main Street
Springfield, Illinois 62703-2886
Offices Nationwide

REHAB. PARALLEL TAXIWAY & MARKINGS
PROPOSED SAFETY PLAN

P:_09_2008 2:53 PM RINKED00461\AIRPORTS\MTCARMEL\08A0016\AIRPORT\SHEETS\R-0035FY.DWG - SAFETY



PAVING CONSTRUCTION SEQUENCE

- PHASE 1**
- CLOSE RUNWAY 13/31 AND TAXIWAY A SOUTH OF A2. PLACE FLAGMEN AS NECESSARY FOR TRAFFIC CROSSING RUNWAY 4/22 DURING THIS PHASE.
 - SIMULTANEOUSLY BEGIN CRACK SEALING ON THE TAXIWAY AND THE PAINT MARKING REMOVAL ON RUNWAY 13/31 UP TO WITHIN 250' OF RUNWAY 4/22 CENTERLINE. BEGIN SHOULDER ADJUSTMENT AT THIS TIME.
 - ONCE THE CRACK SEALING, BUTT JOINT MILLING AND SHOULDER ADJUSTMENT ARE COMPLETED, BEGIN PAVING OF THE PFC IN PHASE 1 AREA. APPLY TAR EMULSION SEAL COAT DURING THIS PHASE. ONCE THE 7 DAY CURE FOR THE TAR EMULSION SEAL COAT ON 13/31 HAS LAPSED, APPLY PAVEMENT MARKINGS TO RUNWAY 13/31 AND THE PHASE 1 PORTION OF TAXIWAY A.
 - ONCE ALL WORK ON AND WITHIN THE SAFETY AREA OF RUNWAY 13/31 IS COMPLETE AND THE RUNWAY HAS BEEN SATISFACTORILY CLEANED, RE-OPEN RUNWAY 13/31.
- PHASE 2**
- CLOSE RUNWAY 4/22 AND TAXIWAY A SOUTH OF RUNWAY 13/31 AND NORTH OF TAXIWAY A2. RUNWAY 13/31 WILL REMAIN OPEN.
 - COMPLETE PAVING IN THE PHASE 2 AREA. BEGIN MARKING REMOVAL ON RUNWAY 4/22 AND THE REMAINING TAXIWAY MARKINGS. REMAIN CLEAR OF THE RUNWAY 13/31 SAFETY AREA.
 - CLOSE RUNWAY 13/31 AND REMOVE ALL MARKING LOCATED WITHIN THE INTERSECTION OF THE TWO RUNWAYS. REOPEN RUNWAY 13/31 WHEN FINISHED REMOVING MARKINGS WITHIN THE RUNWAY SAFETY AREA OF RUNWAY 13/31.
 - APPLY PAINT MARKING ON THE PHASE 2 PORTION OF TAXIWAY A AND A3 AND ON RUNWAY 4/22 TO WITHIN 250' OF RUNWAY 13/31 CENTERLINE.
 - CLOSE RUNWAY 13/31 AND APPLY RUNWAY 4/22 MARKINGS WITHIN THE SAFETY AREA. REOPEN RUNWAY RUNWAY 13/31 WHEN FINISHED WORKING IN THE RUNWAY SAFETY AREA.
 - RE-OPEN RUNWAY 4/22 AND ALL TAXIWAYS WHEN COMPLETED WITH THE PAINTING OPERATIONS AND WHEN ALL PAVEMENTS ARE CLEANED TO THE SATISFACTION OF THE AIRPORT REPRESENTATIVE.

GENERAL NOTES:

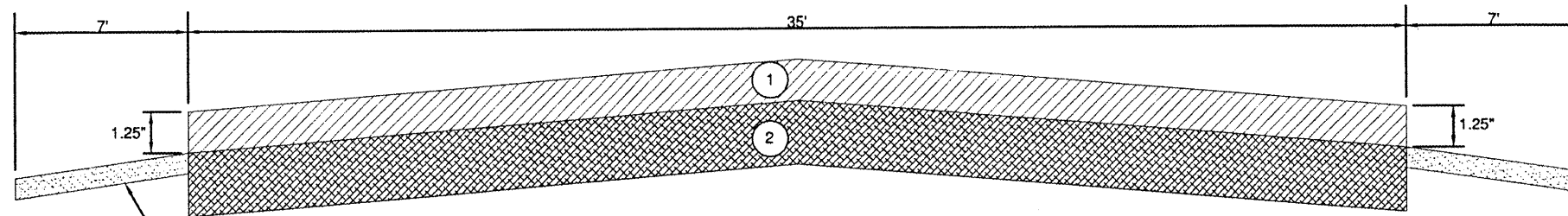
A FLAGMAN IN RADIO CONTACT WITH THE AIRPORT UNICOM (FREQ. 122.7 MHZ) SHALL BE POSITIONED FOR PHASE 1 & 2 OPERATIONS TO CONTROL THE HAUL TRUCKS AND EQUIPMENT THAT CROSS RUNWAY 13/31. IT IS IMPERATIVE THAT THE FLAGMAN UNDERSTAND THAT ALL AIRCRAFT SHALL HAVE THE RIGHT OF WAY AT ALL TIMES. ADDITIONAL FLAGMEN MAY BE REQUIRED IF A SINGLE FLAGMAN CANNOT ADEQUATELY CONTROL CONSTRUCTION TRAFFIC.

LEGEND

- PROPOSED PHASE 1 CONSTRUCTION
- PROPOSED PHASE 2 CONSTRUCTION

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	BY					
	REVISION					
	DATE					
THE CITY OF Mount Carmel MUNICIPAL AIRPORT <small>MT. CARMEL, ILLINOIS 62703-2886</small> ILL. PROJ.: AIG-3779 A.I.P. PROJ.: 3-17-0073-813						
<small> ILL. Project No. 08A00160.0800 Drawing R-00451G.DWG Scale 1" = 250' Date 04/24/08 </small>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">J.S.L. DRAWN</td> <td style="width: 50%; text-align: center;">04/24/08 B.A.K. 04/24/08</td> </tr> <tr> <td style="width: 50%; text-align: center;">xxx REVIEWED</td> <td style="width: 50%; text-align: center;">xx/xx/xx xx/xx/xx</td> </tr> </table>	J.S.L. DRAWN	04/24/08 B.A.K. 04/24/08	xxx REVIEWED	xx/xx/xx xx/xx/xx
J.S.L. DRAWN	04/24/08 B.A.K. 04/24/08					
xxx REVIEWED	xx/xx/xx xx/xx/xx					
HANSON <small>Hanson Professional Services Inc. 1625 South State Street Springfield, Illinois 62703-2886 Offices Nationwide</small>						
REHAB. PARALLEL TAXIWAY & MARKINGS		ACTIVITY AND SEQUENCING PLAN				
4		<small>4 of 14 sheets</small>				



PROPOSED AGGREGATE SHOULDER ADJUSTMENT (TYP. BOTH SIDES)

1 TYPICAL SECTION
1 N.T.S.

1. PROPOSED 0.1' OF POROUS FRICTION COURSE (402)
2. EXISTING BITUMINOUS SURFACE COURSE

GENERAL PAVEMENT PREPARATION

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FOLLOWING WORK ITEMS BEFORE A TACK COAT CAN BE APPLIED:

BLADE THE EARTH AND SOD BACK FROM EDGE OF THE PAVEMENT.

USE A PESTICIDE TO KILL ALL WEEDS ON THE EXISTING PAVEMENT SURFACE.

ONCE THE WEEDS HAVE DIED USE A TORCH TO BURN OFF WEEDS.

POWER BROOM THE LOOSE UNWANTED MATERIAL OFF THE PAVEMENT.

THE ABOVE WORK WILL BE CONSIDERED INCIDENTAL TO PAY ITEM AR603510 "BITUMINOUS TACK COAT" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

603-BITUMINOUS TACK COAT NOTES:

THE BITUMINOUS TACK COAT (603) SHALL BE PLACED IN ACCORDANCE WITH ITEM AR603 "BITUMINOUS TACK COAT" AS STATED ON PAGE 62 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE PROPOSED BITUMINOUS TACK COAT SHALL BE PLACED ON THE EXISTING BITUMINOUS SURFACE COURSE PRIOR TO THE PLACEMENT OF THE PROPOSED POROUS FRICTION COURSE. THE PROPOSED BITUMINOUS PAVEMENT SHALL HAVE A TACK COAT OF BITUMINOUS MATERIAL APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.

603-1.2 QUANTITY OF MATERIAL.

AS PER TABLE 1 LOCATED ON PAGE 66 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

603-2.1 BITUMINOUS MATERIAL.

AS PER TABLE 1 LOCATED ON PAGE 66 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

603-3.1 WEATHER LIMITATIONS.

AS PER TABLE 1 LOCATED ON PAGE 66 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

603-3.3 APPLICATION OF BITUMINOUS MATERIAL.

AS PER TABLE 1 LOCATED ON PAGE 66 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE PROPOSED BITUMINOUS TACK COAT WILL BE PAID FOR UNDER ITEM:
AR603510 BITUMINOUS TACK COAT _____ 2,340 GAL.

201-CLEANING AND SEALING BITUMINOUS CRACKS NOTES:

THE PAVEMENT CONDITIONS AND CRACKS WERE IDENTIFIED DURING A SURVEY (APRIL 2008) OF THE EXISTING APRON AREA. 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" _____ 7,000 L.F.

AR401-BUTT JOINT CONSTRUCTION NOTES:

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

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

THE PAVEMENT SURFACE WILL THEN BE MILLED TO A DEPTH OF 0.10 FT. AT THE BUTT END AND WILL TAPER TO 0 IN. AT THE OPPOSITE END. THE PLANER MUST BE CAPABLE OF MILLING THE SURFACE TO THE DESIRED ELEVATIONS AND GRADES.

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

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

THE PAVEMENT MILLING WILL BE PAID FOR UNDER ITEM:
AR401655 "BUTT JOINT CONSTRUCTION" _____ 608 S.Y.

402-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.

152-SHOULDER ADJUSTMENT NOTES:

SHOULDER ADJUSTMENT SHALL BE CONSTRUCTED UTILIZING THE EXISTING COARSE AGGREGATE. THE MANIPULATION OF THE EXISTING AGGREGATE SHALL BE MINIMIZED AND SHALL RESULT IN A FLUSH EDGE OF PAVEMENT TRANSITION AS SHOWN IN THE TYPICAL CROSS SECTION. ONCE SHOULDER ADJUSTMENT HAS BEEN COMPLETED AND PRIOR TO THE PAVING OF THE POROUS FRICTION COURSE, THE SHOULDER SHALL BE TREATED WITH A PRIME COAT OF MC-30 AT THE RATE OF 0.30 GAL/S.Y.



ALL SHOULDER ADJUSTMENTS SHALL BE PAID FOR UNDER ITEM:
AR152480 "SHOULDER ADJUSTMENT" _____ 3,400 S.Y.

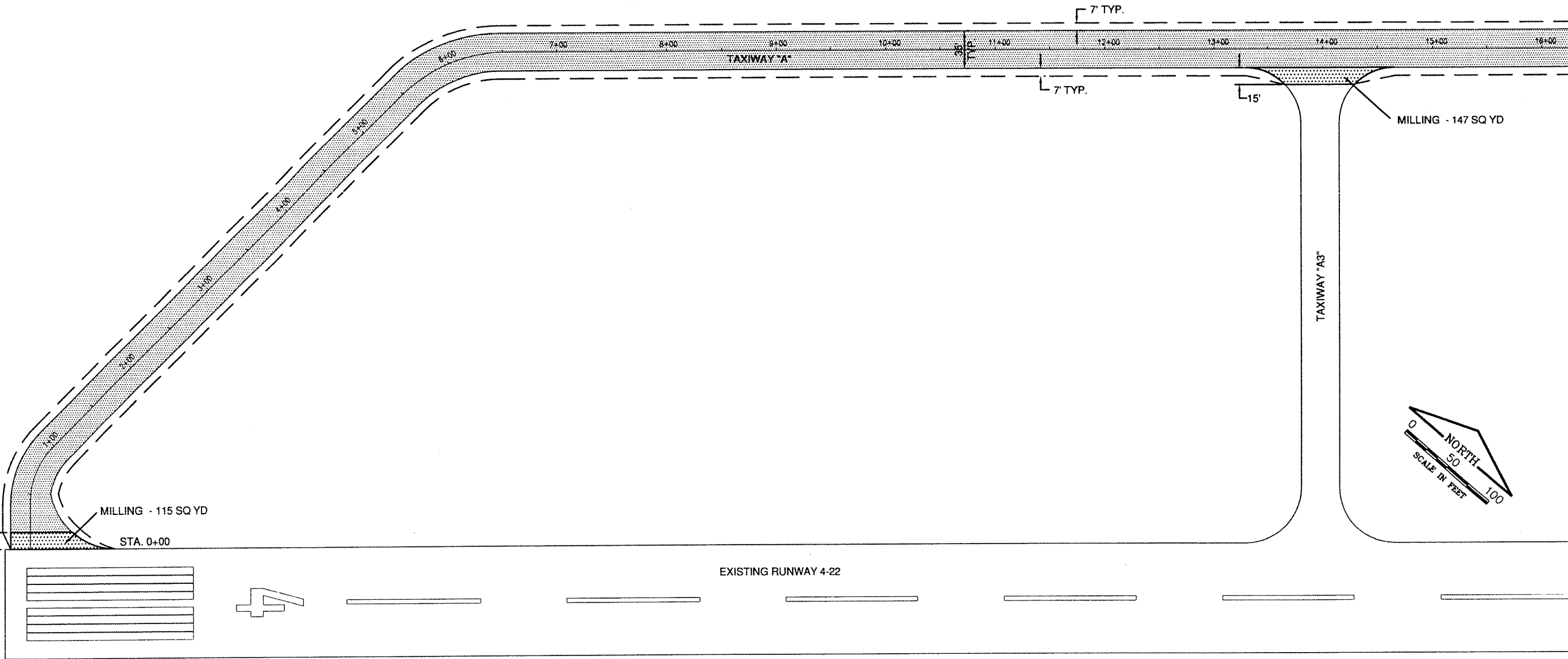
PRIME COAT APPLICATION SHALL BE PAID FOR UNDER ITEM:
AR602510 "BITUMINOUS PRIME COAT" _____ 1,020 GAL.

620-PAVEMENT MARKING-WATERBORNE NOTES:

THE TAR EMULSION SEAL COAT SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 14 DAYS PRIOR TO THE APPLICATION OF THE WATERBORNE PAINT PAVEMENT MARKINGS. THIS SHALL APPLY ONLY TO THE AREAS WHERE THE PAINT MARKINGS ARE TO BE APPLIED OVER THE TOP OF THE PROPOSED TAR EMULSION SEAL COAT.

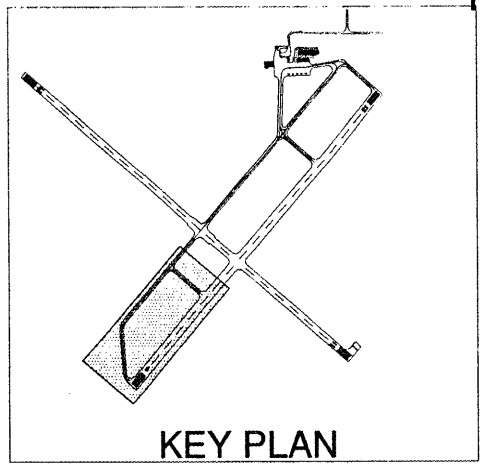
AUG 09, 2008 2:57 PM RINKE00461 \\AIRPORTS\MTCARMELO\BAG016\AIRPORTS\SHEETS\R-301TYP.DWG - TYPICAL

DATE	REVISION	BY			
					
					
I.D. Project No. 08A0016D_0800 Filename: R-301TYP.DWG Scale: N/A Date: 04/24/08		LAYOUT: J.S.L. 04/24/08 DRAWN: MDR 04/28/08 REVIEWED: xxx xx/xx/xx		REHAB. PARALLEL TAXIWAY & MARKINGS TYPICAL CROSS-SECTION DETAIL AND PAVING NOTES	
5					
5 of 14 sheets					



LEGEND

	PROPOSED PAVEMENT IMPROVEMENTS
	PROPOSED SHOULDER ADJUSTMENTS
	PROPOSED BUTT JOINTS



MC022

DATE	REVISION	BY


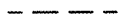

THE CITY OF
Mount Carmel
 MT. CARMEL MUNICIPAL AIRPORT
 A.I.P. PROJ.: 3-17-0073-B13
 I.L. PROJ.: AJG-3779

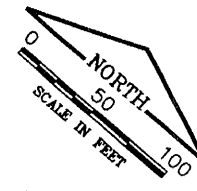
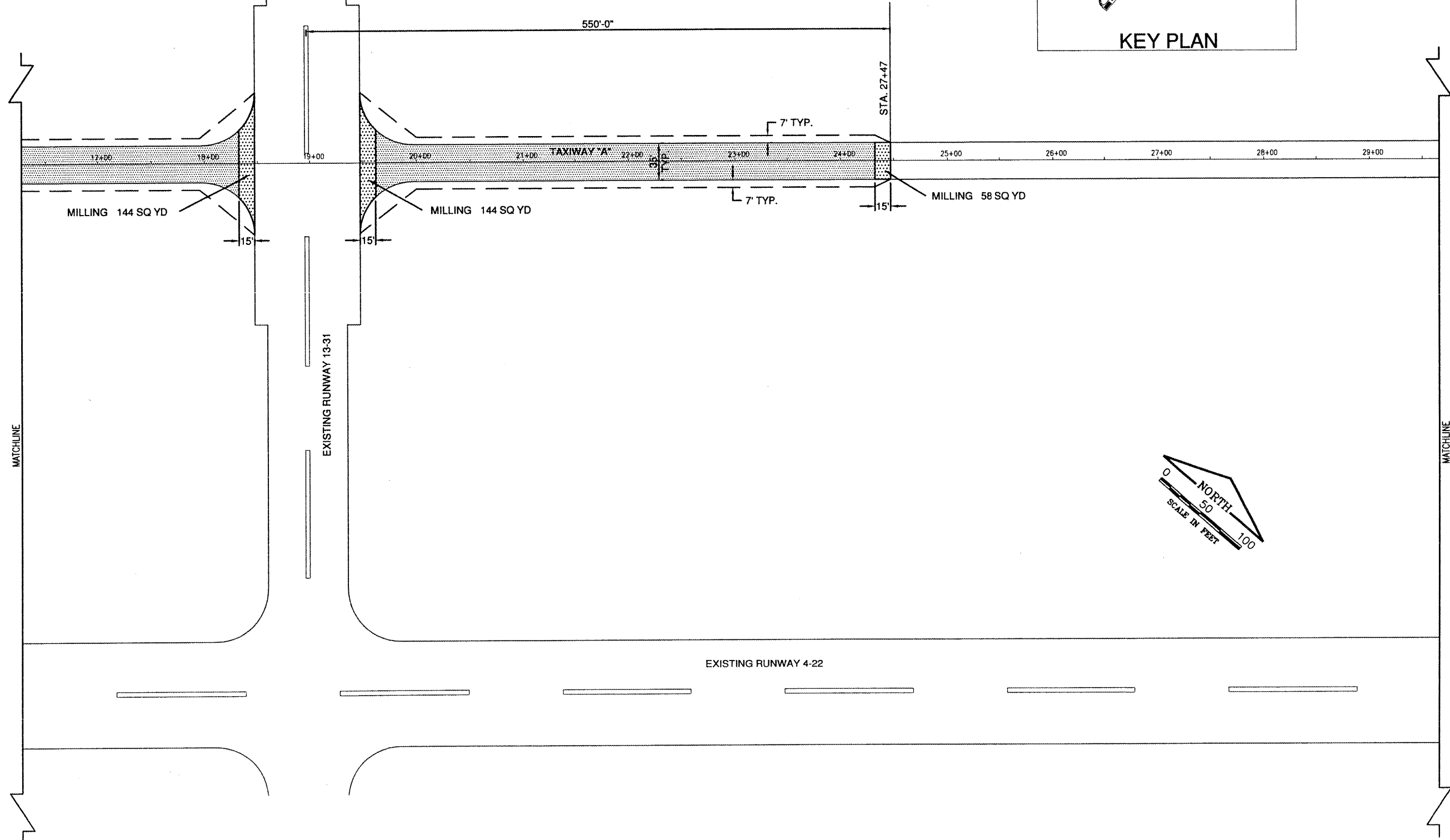
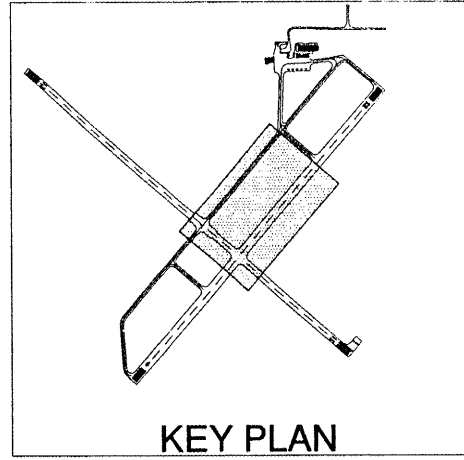
H/I Project No. 08A0016D 0800 Filename R-121CON.DWG Scale 1" = 50' Date 04/24/08	LAYOUT J.S.L. 04/24/08 DRAWN B.A.K. 04/24/08 REVIEWED xxx xx/xx/xx
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REHAB. PARALLEL
 TAXIWAY & MARKINGS
 PROPOSED
 CONSTRUCTION PLAN
 TAXIWAY "A"

LEGEND

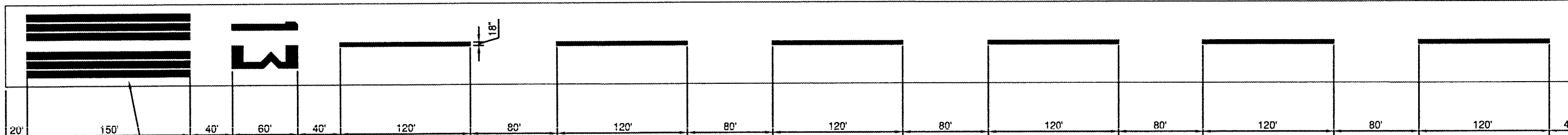
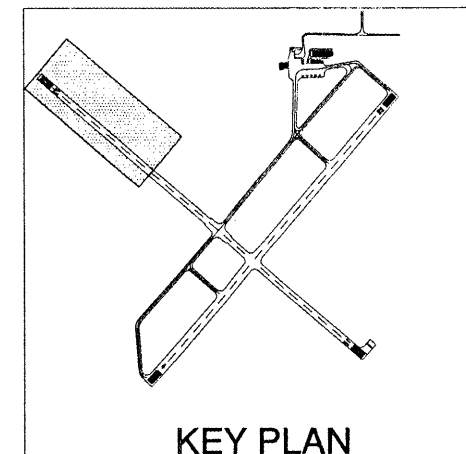
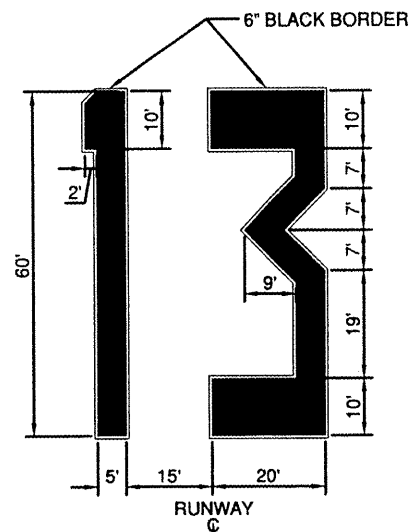
-  PROPOSED PAVEMENT IMPROVEMENTS
-  PROPOSED SHOULDER ADJUSTMENTS
-  PROPOSED BUTT JOINTS



BY		REVISION	
DATE		DATE	
			
ILL. PROJECT: AJG-3779 A.I.P. PROJ.: 3-17-0073-B13			
ILL. PROJECT NO.: 08A00160_0800 DRAWING: R-122CON.DWG SCALE: 1" = 50' DATE: 04/24/08	LAYOUT: J.S.L. 04/24/08 DRAWN: B.A.K. 04/24/08 REVIEWED: xxx xx/xx/xx		
			
Hanson Professional Services Inc. 1625 S. Sunflower Springfield, Illinois 62703-2886 Offices Nationwide			
REHAB. PARALLEL TAXIWAY & MARKINGS PROPOSED CONSTRUCTION PLAN TAXIWAY "A"			
7		7 of 14 sheets	

MARKING NOTES:

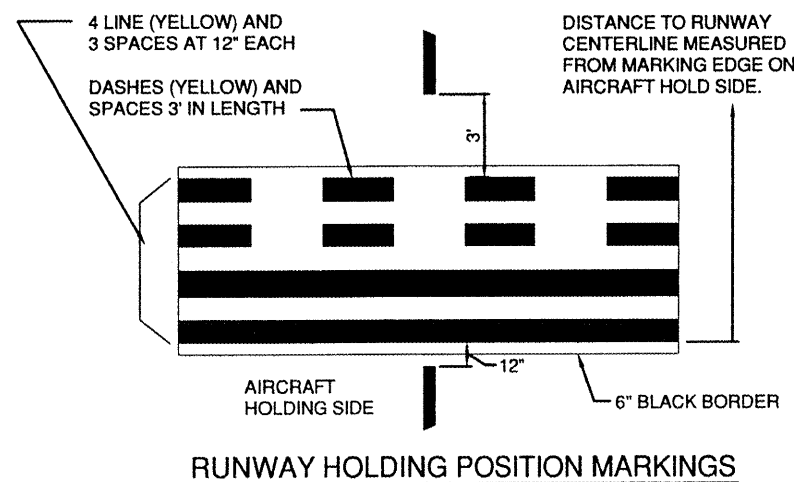
1. THE PAVEMENT SURFACE SHALL BE CLEAN AND DRY PRIOR TO MARKING.
2. SEE MARKING DETAILS THIS SHEET AND SHEETS 9-14 FOR PROPOSED MARKING.
3. WHITE MARKING SUPERSEDES YELLOW MARKING WHERE PAVEMENT MARKINGS INTERSECT.
4. PAINT MARKINGS SHALL BE INSTALLED TO THE DIMENSIONS SHOWN AND IN ACCORDANCE WITH THE LATEST FAA ADVISORY CIRCULAR: "STANDARDS FOR AIRPORT MARKINGS".
5. ALL PROPOSED WHITE MARKINGS AND ALL HOLD SHORT MARKINGS SHALL RECEIVE A 6" BLACK BORDER. THE COST OF BLACK PAINT SHALL BE PAID BY THE SQ.FT. AS ITEM AR620525 PAVEMENT MARKING - BLACK BORDER



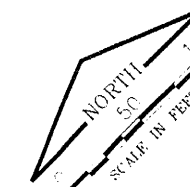
SEE THRESHOLD BAR
DETAIL SHEET 10.

LEGEND

— PROPOSED PAINT MARKINGS



PAVEMENT MARKINGS	PROP. DIMENSION	TOTAL AREA
TAXIWAY CENTERLINE STRIPES	6" x 6,943'	3,472 S.F.
HOLD SHORT BARS	SEE DETAIL	870 S.F.
TOTAL YELLOW AREA =		4,342 S.F.
RUNWAY CENTERLINE STRIPES	18" x 4,320'	6,480 S.F.
1 - NUMERAL (4) (SEE DETAIL)	SEE DETAIL	602 S.F.
2 - NUMERAL (2) (SEE DETAIL)	SEE DETAIL	1,304 S.F.
2 - NUMERAL (3) (SEE DETAIL)	SEE DETAIL	1,266 S.F.
2 - NUMERAL (1) (SEE DETAIL)	SEE DETAIL	636 S.F.
THRESHOLD BARS	SEE DETAIL	24,150 S.F.
TOTAL WHITE AREA =		34,438 S.F.
PAVEMENT MARKING (BLACK BORDER)	SEE DETAIL	10,507 S.F.
TOTAL BLACK AREA =		10,507 S.F.
TOTAL MARKING AREA =		49,287 S.F.



DATE	REVISION	BY



IL. PROJ.: AIG-3779 A.I.P. PROJ.: 3-17-0073-B13

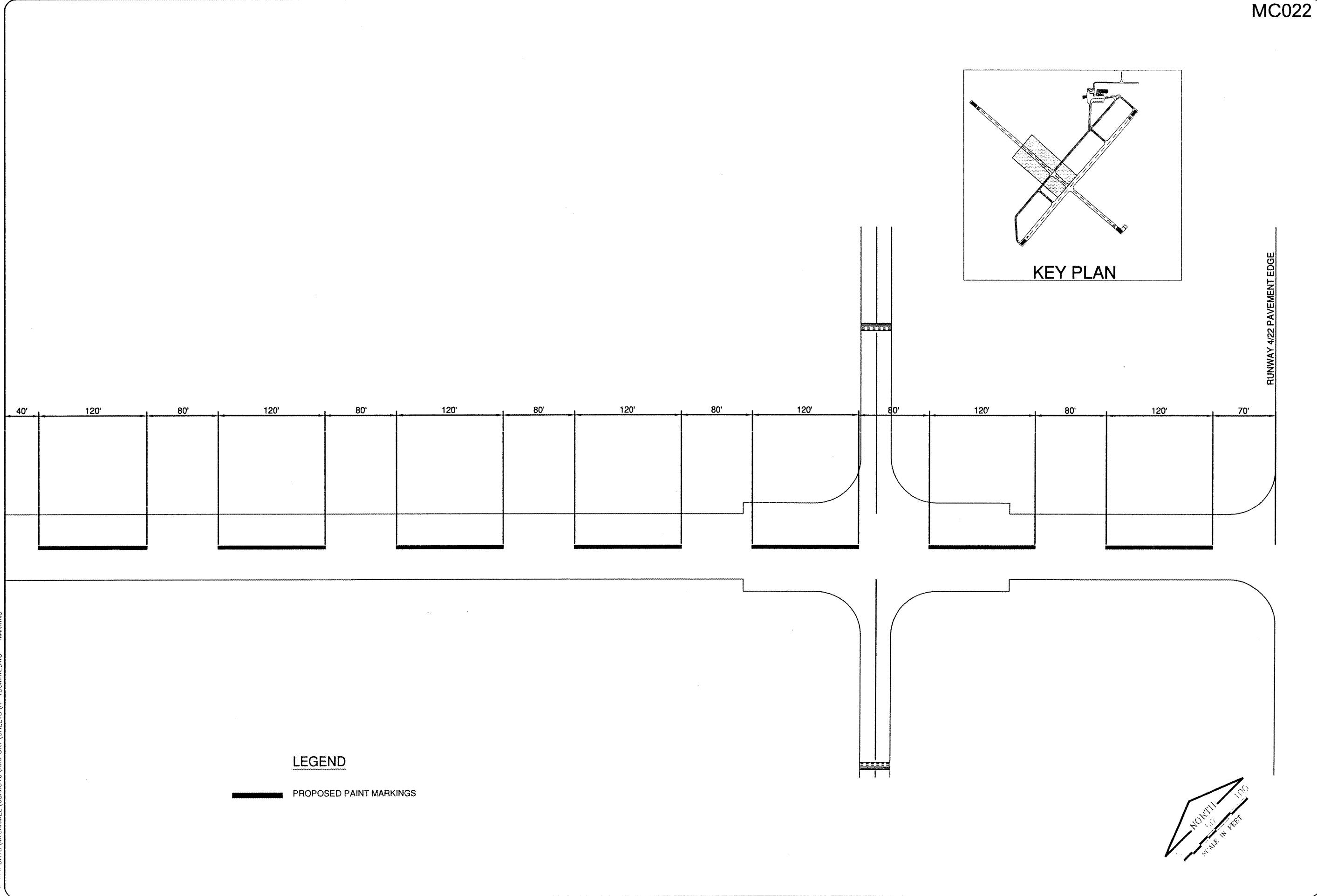
REVISED	DATE	BY	REVIEWED	DATE	BY
xxx	04/24/08	J.S.L.	xxx	04/24/08	J.S.L.



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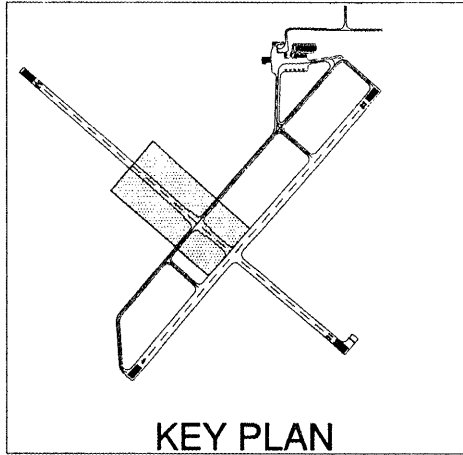
REHAB. PARALLEL
TAXIWAY & MARKINGS

MARKING
PLAN
RUNWAY 13/31



MC022

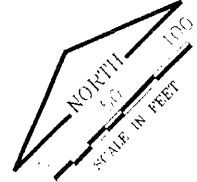
RUNWAY 4/22 PAVEMENT EDGE



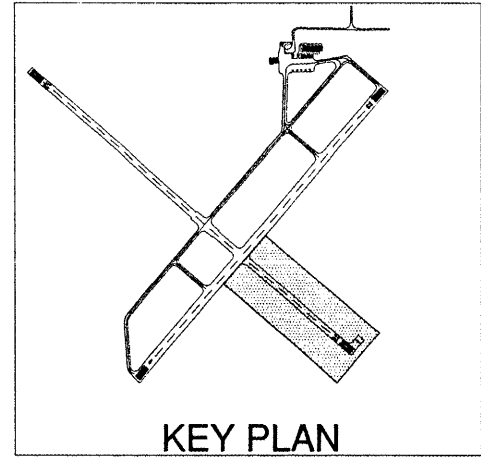
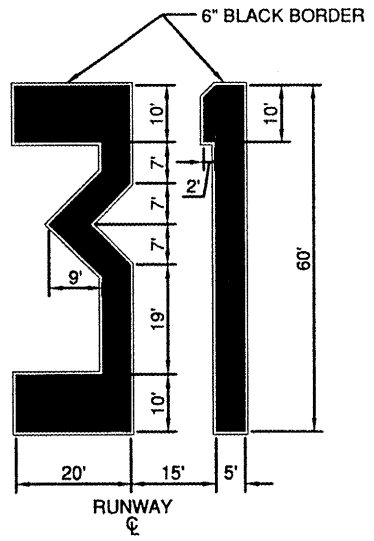
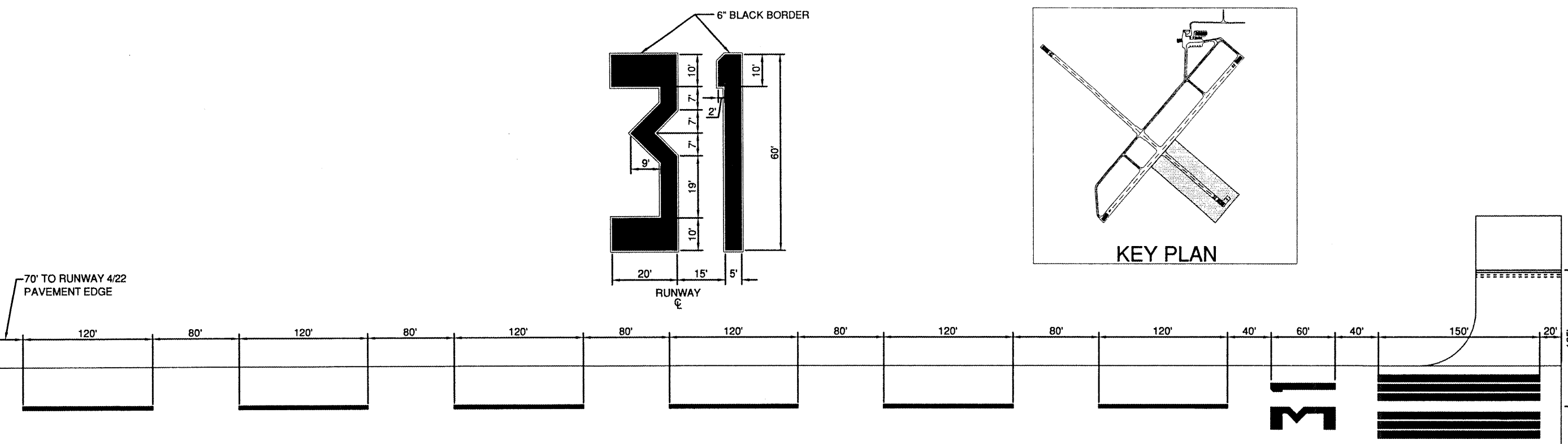
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LEGEND

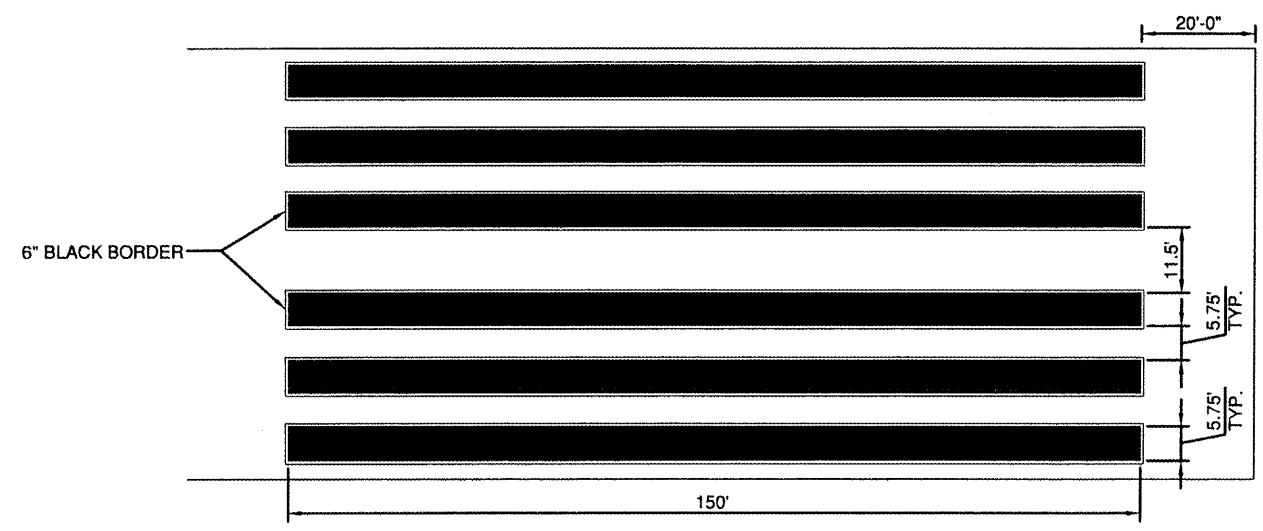
PROPOSED PAINT MARKINGS



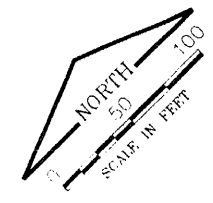
9	REHAB. PARALLEL TAXIWAY & MARKINGS MARKING PLAN RUNWAY 13/31	Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2886 Offices Nationwide	I.D. Project No. 08A00160_0800 Filename: R-155MRK.DWG Scale 1" = 50' Date 04/24/08 LAYOUT J.S.L. 04/24/08 DRAWN B.A.K. 04/24/08 REVIEWED xxx xx/xx/xx
THE CITY OF Mount Carmel MT. CARMEL MUNICIPAL AIRPORT		I.L. PROJ.: AJG-3779 A.I.P. PROJ.: 3-17-0073-B13	
		DATE	REVISION
		BY	



LEGEND
 PROPOSED PAINT MARKINGS



THRESHOLD BAR DETAIL - RUNWAY 13/31



DATE	REVISION	BY

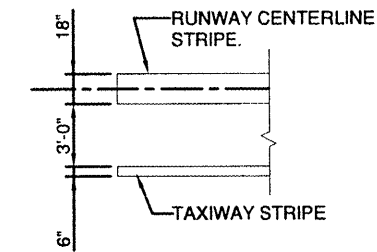
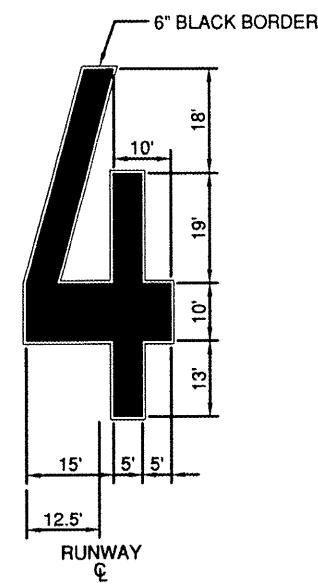


HD Project No. 08A0016D.0800 Filename: R-156MRK.DWG Scale: 1" = 50' Date: 04/24/08	LAYOUT DRAWN: J.S.L. 04/24/08 B.A.K. 04/24/08 REVIEWED: xxx xy/xy/xx
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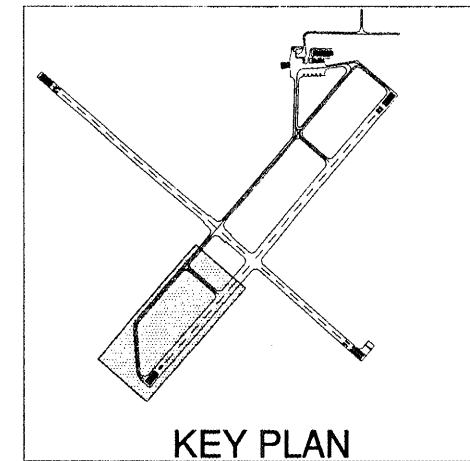


REHAB. PARALLEL TAXIWAY & MARKINGS
 MARKING PLAN
 RUNWAY 13/31

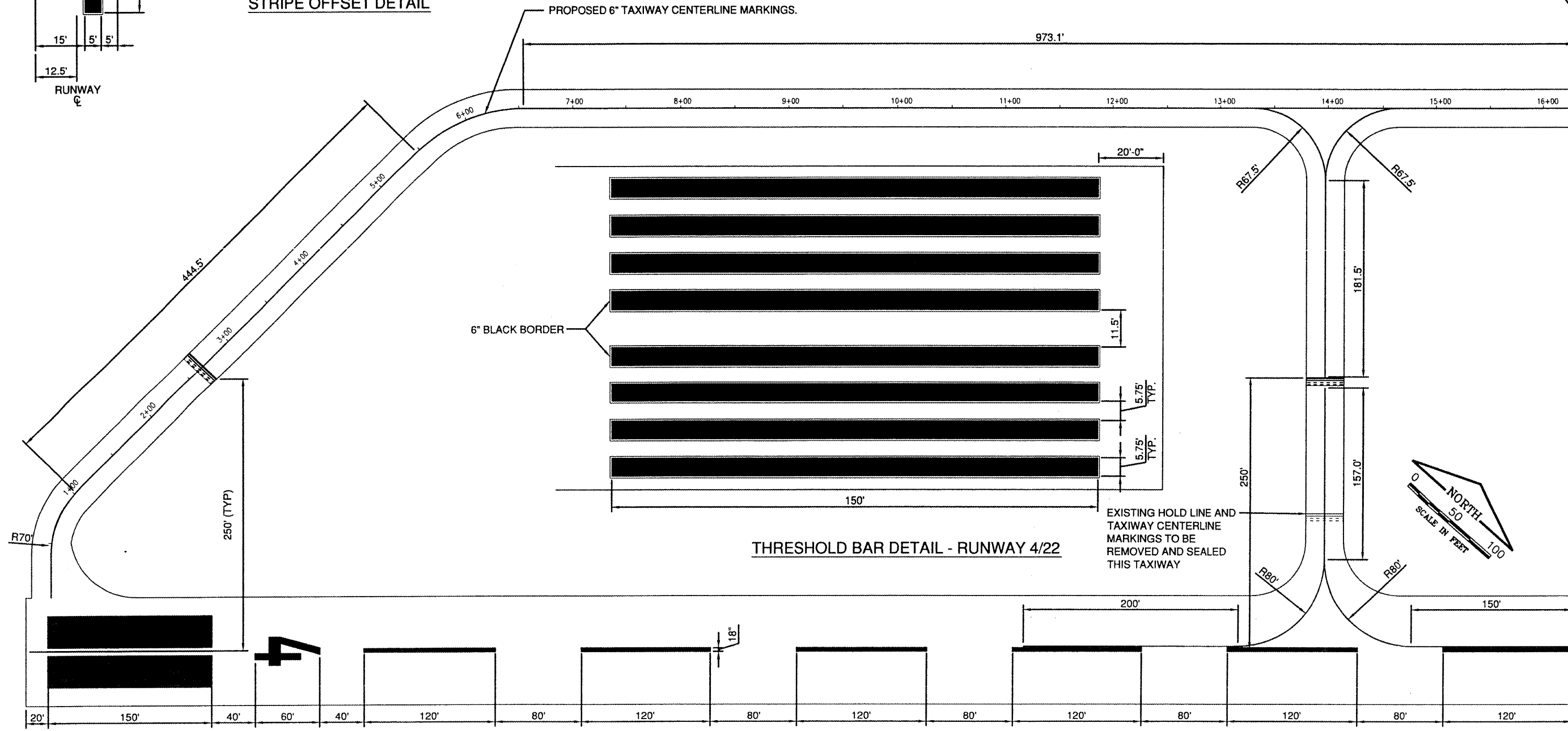
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TAXIWAY STRIPE / CENTERLINE STRIPE OFFSET DETAIL



MC022

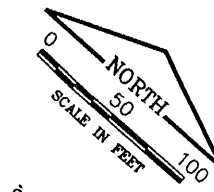


6" BLACK BORDER

PROPOSED 6" TAXIWAY CENTERLINE MARKINGS.

THRESHOLD BAR DETAIL - RUNWAY 4/22

EXISTING HOLD LINE AND TAXIWAY CENTERLINE MARKINGS TO BE REMOVED AND SEALED THIS TAXIWAY



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THE CITY OF
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 I.L. PROJ.: AUG-3779
 A.I.P. PROJ.: 3-17-0073-B13

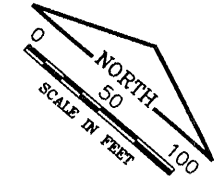
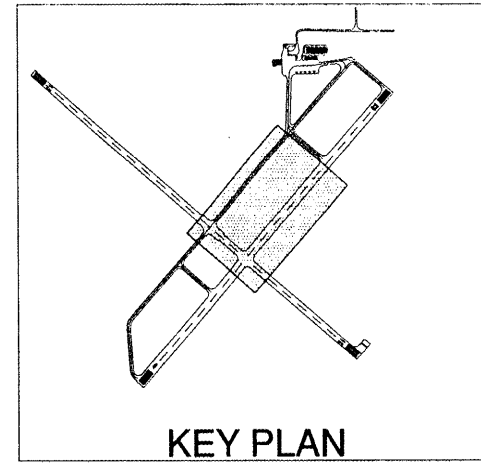
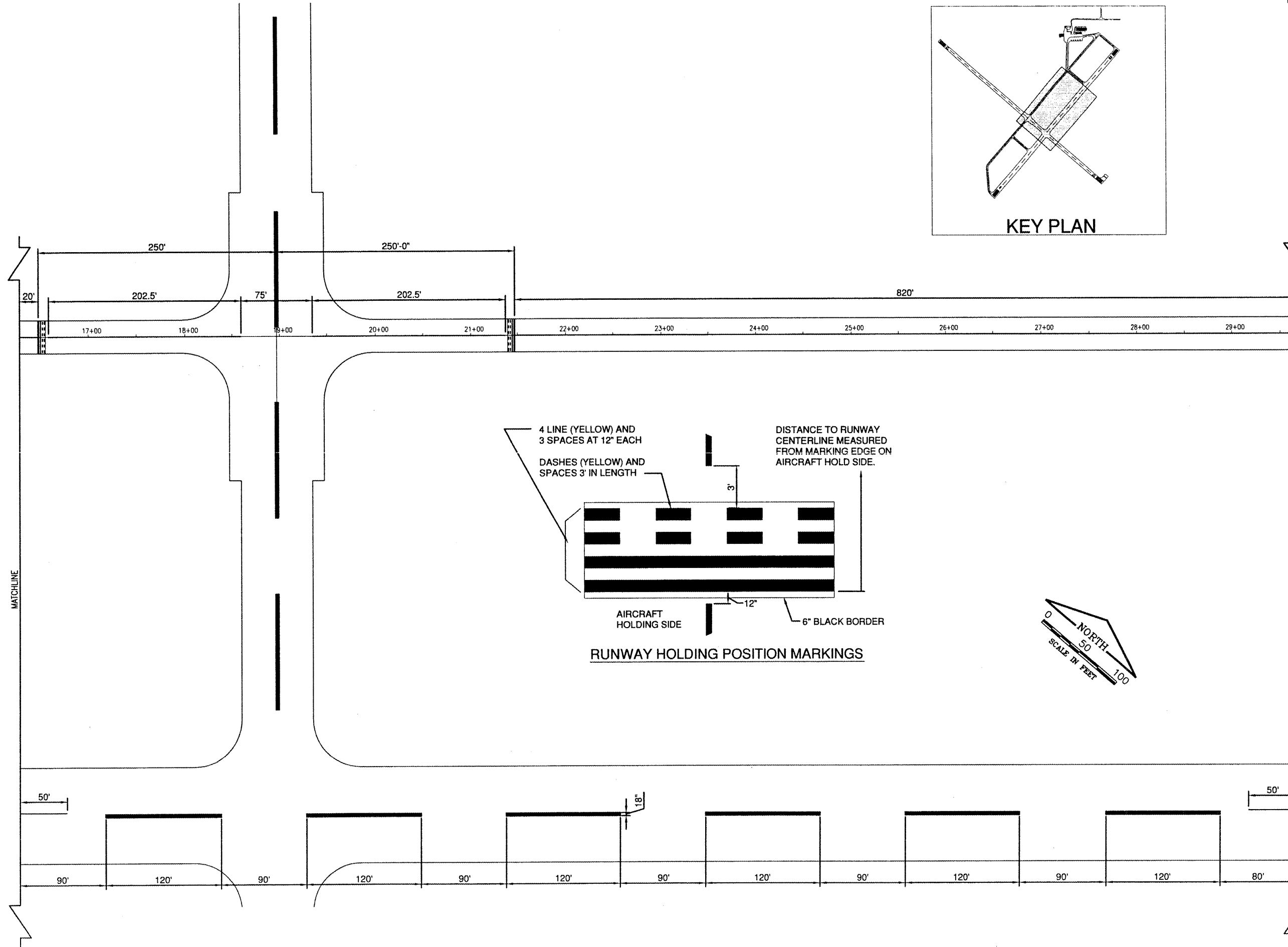
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13. Revision R-151MRK.DWG	14. B.A.K.	15. 04/24/08
16. Scale 1" = 50'	17. xxx	18. xx/xx/xx
19. Date 04/24/08	20. LAYOUT	21. DRAWN
22. REVIEWED	23. DATE	24. DATE

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REHAB. PARALLEL TAXIWAY & MARKINGS
 MARKING PLAN
 RUNWAY 4/22

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THE CITY OF
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ALP. PROJ.: J-17-0073-B13
 IL. PROJ.: AUG-3779

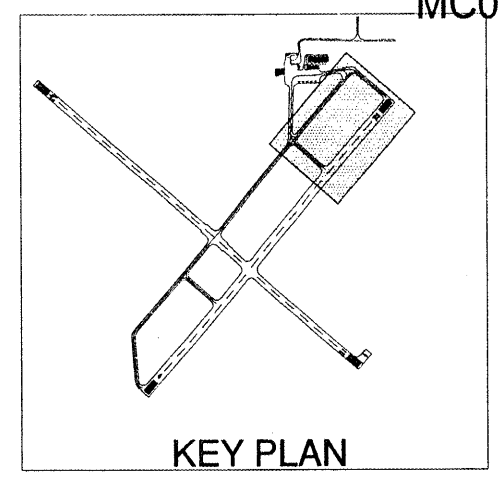
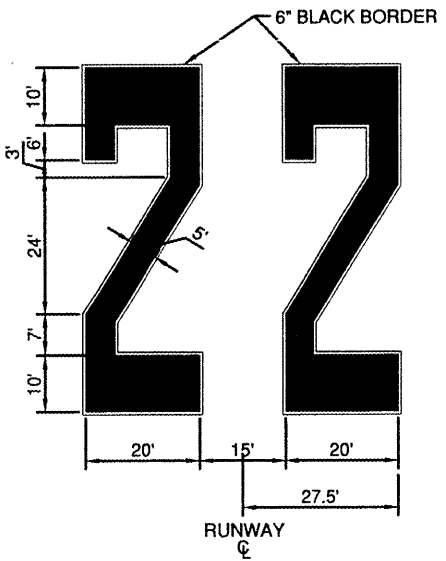
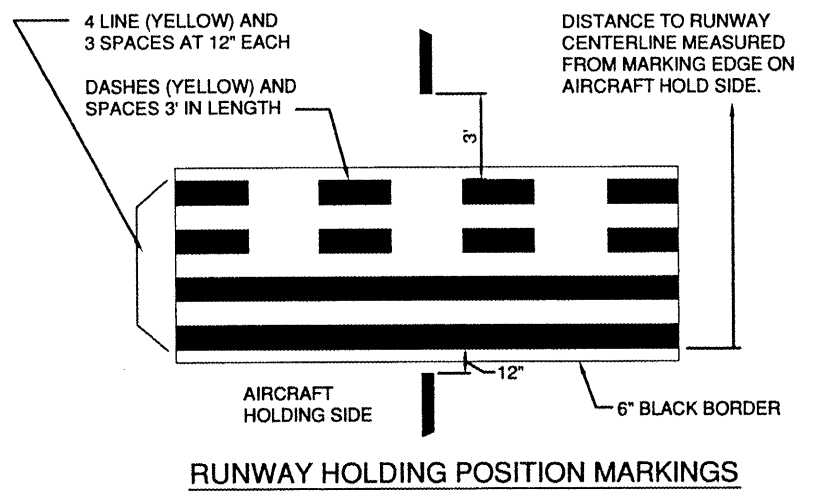
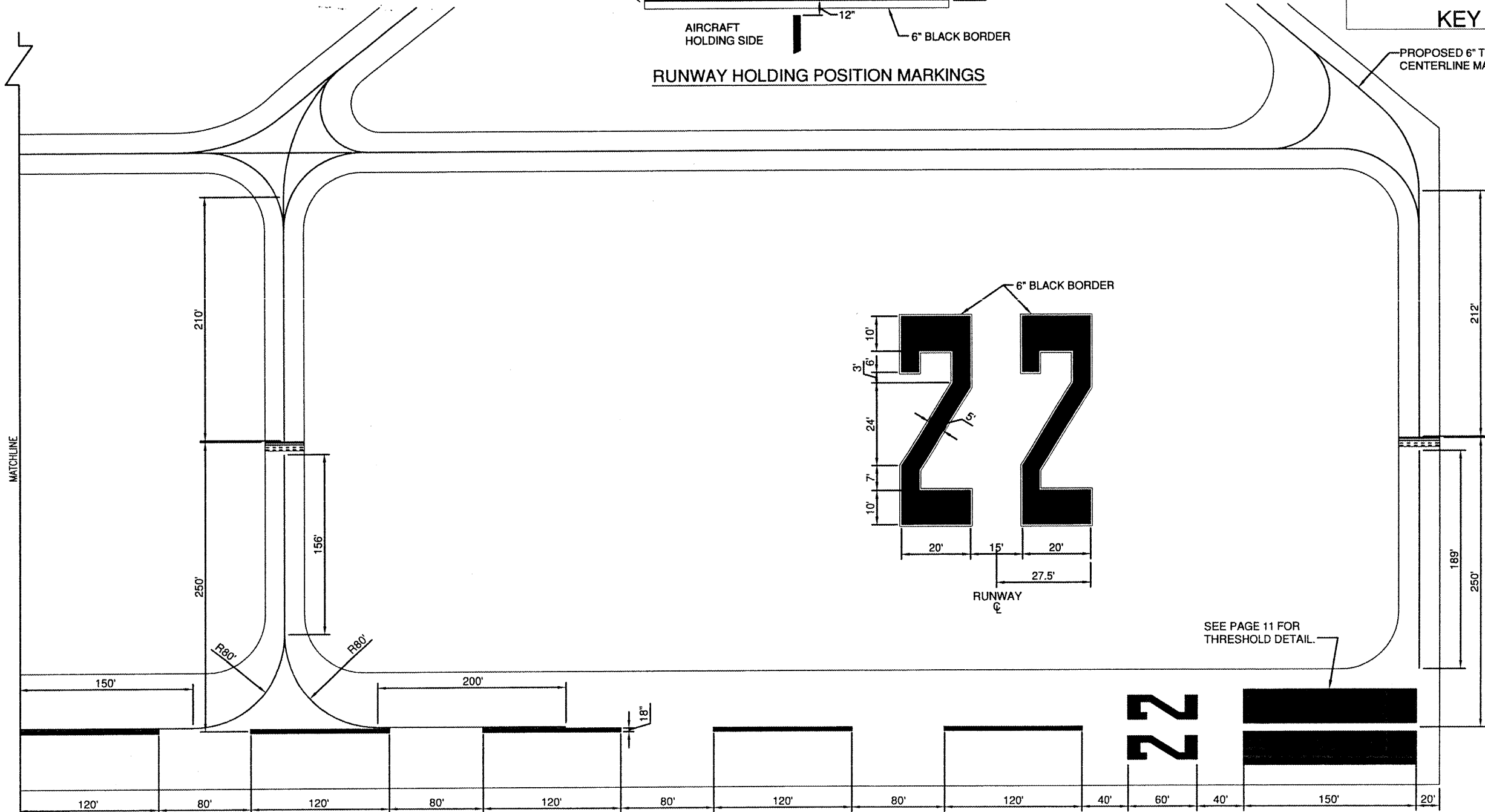
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Filename R-152MRK.DWG	LAYOUT
Scale 1" = 50'	DRAWN J.S.L. 04/24/08
	REVIEWED B.A.K. 04/24/08

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REHAB. PARALLEL
 TAXIWAY & MARKINGS

MARKING
 PLAN
 RUNWAY 4/22

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PROPOSED 6" TAXIWAY CENTERLINE MARKING.

SEE PAGE 11 FOR THRESHOLD DETAIL.

DATE	REVISION	BY

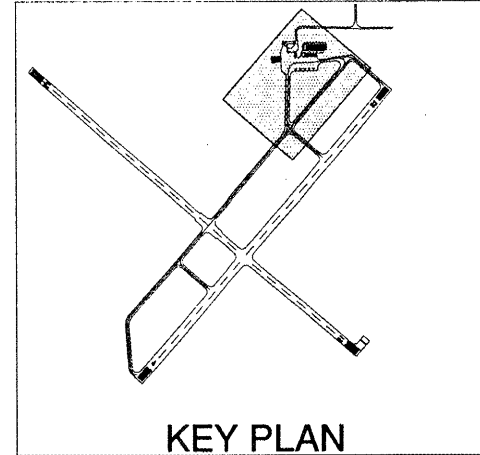
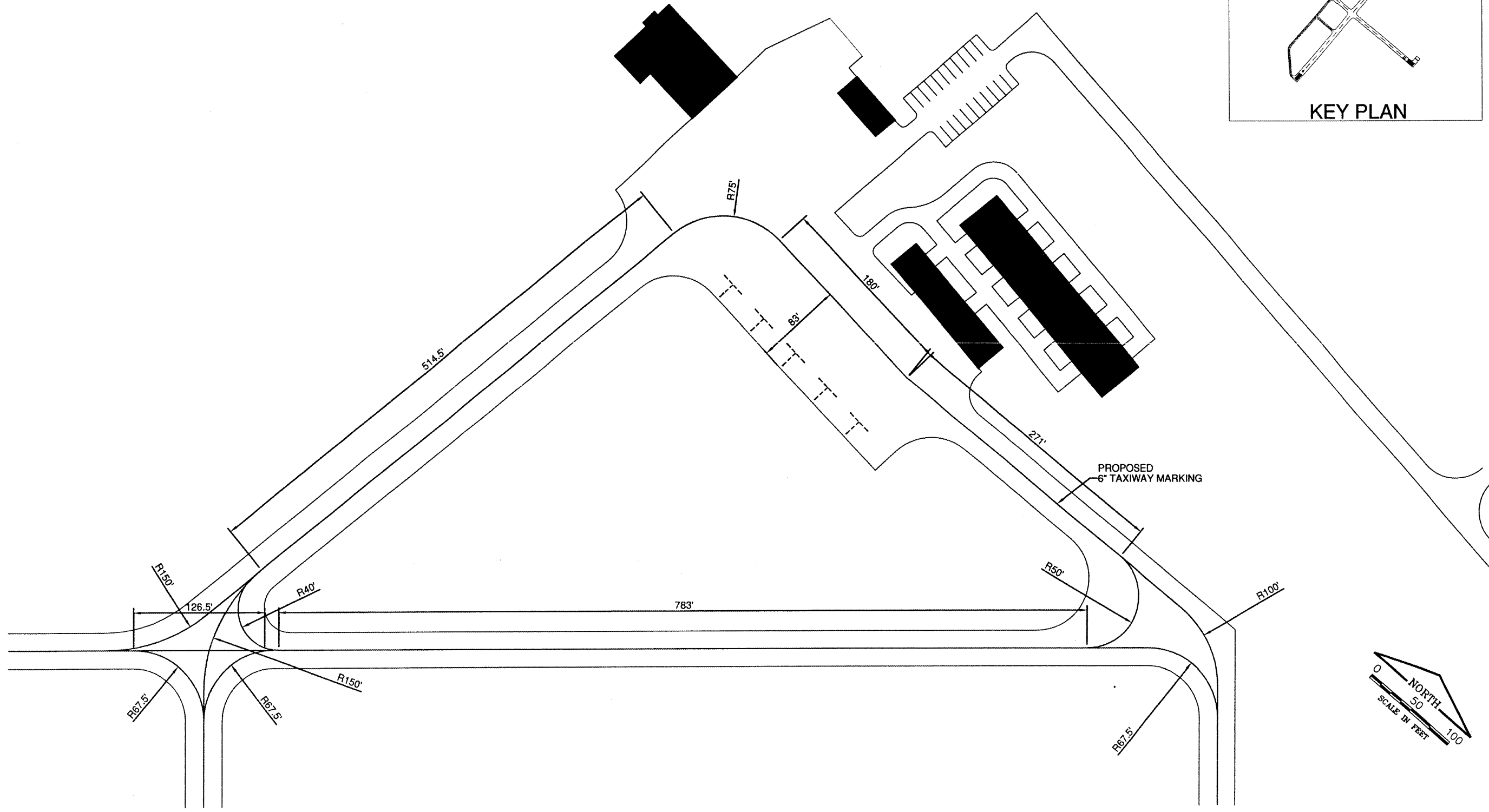
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 A.I.P. PROJ.: 3-17-0073-B13
 I.L. PROJ.: AUG-3779

H/I Project No. 08A0016D.0800	J.S.L.	04/24/08
Drawings R-153MRK.DWG	B.A.K.	04/24/08
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	REVIEWED	xxx

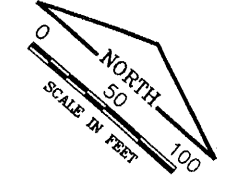
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REHAB PARALLEL TAXIWAY & MARKINGS
 MARKING PLAN
 RUNWAY 4/22

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 IL. PROJ.: A/G-3779 A.I.P. PROJ.: 3-17-0073-B13

H&I Project No. 08A0016D_0800	04/24/08
Filename R-157MRK.DWG	04/24/08
Scale 1" = 50'	xx/xx/xx
Date 04/24/08	xx/xx/xx
LAYOUT J.S.L.	04/24/08
DRAWN B.A.K.	04/24/08
REVIEWED xxx	xx/xx/xx

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REHAB. PARALLEL TAXIWAY & MARKINGS PLAN TAXIWAY & RAMP AREA

14

14 of 14 sheets