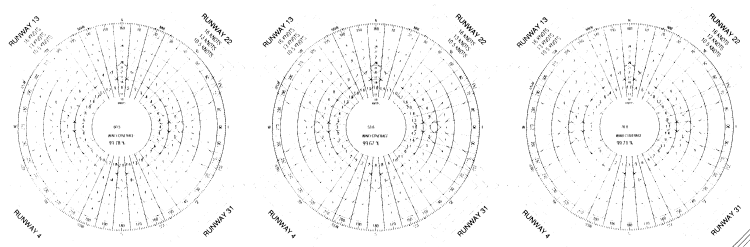


ALL WEATHER CONDITIONS
WEATHER STATION: OTTUMWA, IOWA
1995 - 2004

IFR CONDITIONS-VISIBILITY <3 MILES
WEATHER STATION: OTTUMWA, IOWA
1995 - 2004

CLOSED CONDITIONS
WEATHER STATION: OTTUMWA, IOWA
1995 - 2004

WIND COVERAGE

RUNWAY	ALL WEATHER			IFR CONDITIONS			CLOSED CONDITIONS		
	10.5 KNOTS	13 KNOTS	16 KNOTS	10.5 KNOTS	13 KNOTS	16 KNOTS	10.5 KNOTS	13 KNOTS	16 KNOTS
13/31	86.04%	92.47%	97.36%	82.51%	90.31%	96.71%	90.78%	94.75%	97.88%
4/22	76.63%	85.30%	93.45%	73.28%	82.70%	91.87%	86.59%	91.65%	95.87%
Combined	86.59%	98.97%	99.78%	96.12%	98.66%	99.67%	97.80%	99.27%	99.71%

8.3% OF ALL-WEATHER READINGS WERE IFR CONDITIONS

MODIFICATION TO AIRPORT DESIGN STANDARDS TABLE

STANDARD MODIFIED	DESCRIPTION	AIRSPACE CASE No.	APPROVAL DATE
	NONE		

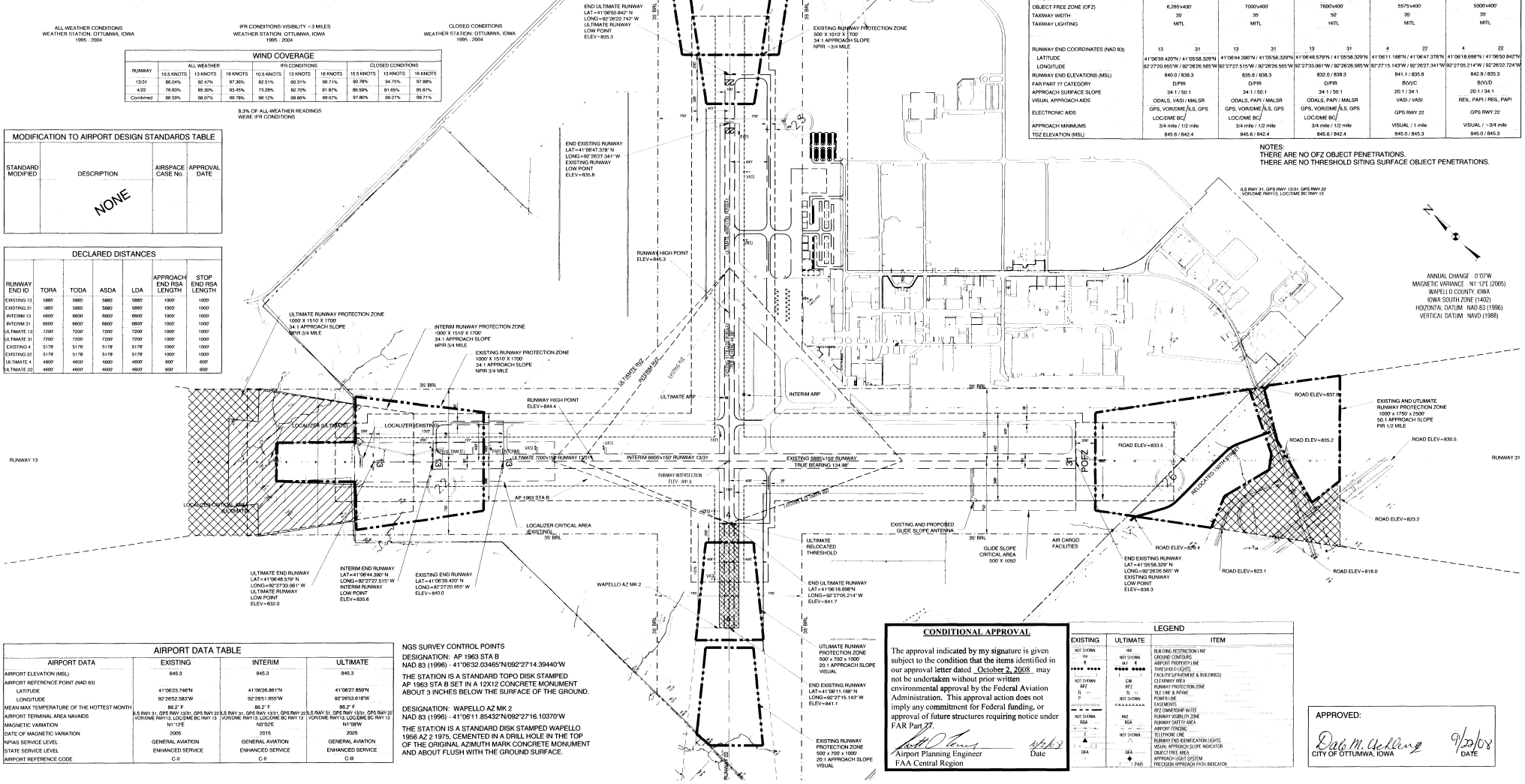
DECLARED DISTANCES

RUNWAY END ID	TORA	TODA	ASDA	LDA	APPROACH END RSA LENGTH	STOP END RSA LENGTH
EXISTING 13	5885	5885	5885	5885'	1000'	1000'
EXISTING 31	5885	5885	5885	5885'	1000'	1000'
INTERIM 13	6600'	6600'	6600'	6600'	1000'	1000'
INTERIM 31	6600'	6600'	6600'	6600'	1000'	1000'
ULTIMATE 13	7200'	7200'	7200'	7200'	1000'	1000'
ULTIMATE 31	7200'	7200'	7200'	7200'	1000'	1000'
EXISTING 4	5178'	5178'	5178'	5178'	1000'	1000'
EXISTING 22	5178'	5178'	5178'	5178'	1000'	1000'
ULTIMATE 4	4600'	4600'	4600'	4600'	600'	600'
ULTIMATE 22	4600'	4600'	4600'	4600'	600'	600'

RUNWAY DATA TABLE

RUNWAY DATA	RUNWAY 13/31			RUNWAY 4/22	
	EXISTING	INTERIM	ULTIMATE	EXISTING	ULTIMATE
AIRPORT REFERENCE CODE (ARC)	C-II	C-II	C-III	C-II	B-III
RUNWAY LENGTH	5885'	6600'	7200'	5178'	4600'
RUNWAY WIDTH	150'	150'	150'	200'	100'
RUNWAY LIGHTING	HIRL	HIRL	HIRL	MIRL	MIRL
RUNWAY MARKING	PRECISION	PRECISION	PRECISION	NON-PRECISION	NON-PRECISION
SURFACE TYPE	ACC	ACC	ACC	ACC	ACC
PAVEMENT STRENGTH					
SINGLE WHEEL	80,000	80,000	80,000	42,000	42,000
DUAL WHEEL	105,000	105,000	105,000	65,000	65,000
DUAL TANDEM	175,000	175,000	175,000	120,000	120,000
CRITICAL AIRCRAFT	GULFSTREAM G-IV	GULFSTREAM G-IV	CARGO JET	BEECH B200	BEECH B200
RUNWAY OBJECT FREE AREA (ROFA)					
LENGTH BEYOND RUNWAY	1000'	1000'	1000'	1000'	600'
WIDTH	800'	800'	800'	800'	800'
RUNWAY SAFETY AREA (RSA)					
LENGTH BEYOND RUNWAY	1000'	1000'	1000'	1000'	600'
WIDTH	400'	400'	500'	400'	300'
OBJECT FREE ZONE (OFZ)	6,285'x400'	7000'x400'	7600'x400'	5575'x400'	5000'x400'
TAXIWAY WIDTH	35'	35'	50'	35'	35'
TAXIWAY LIGHTING	MITL	MITL	HITL	MITL	MITL
RUNWAY END COORDINATES (NAD 83)	13 / 31	13 / 31	13 / 31	4 / 22	4 / 22
LATITUDE	41°06'39.420"N / 41°05'58.329"N	41°06'44.390"N / 41°05'58.329"N	41°06'48.579"N / 41°05'58.329"N	41°06'11.188"N / 41°06'47.378"N	41°06'18.698"N / 41°06'50.842"N
LONGITUDE	92°27'20.955"W / 92°26'26.565"W	92°27'27.515"W / 92°26'26.565"W	92°27'33.061"W / 92°26'26.565"W	92°27'15.143"W / 92°26'27.341"W	92°27'05.214"W / 92°26'22.724"W
RUNWAY END ELEVATIONS (MSL)	840.0 / 838.3	835.6 / 838.3	832.0 / 838.3	841.1 / 835.8	842.9 / 835.3
FAR PART 77 CATEGORY	D/PIR	D/PIR	D/PIR	B(V)/C	B(V)/D
APPROACH SURFACE SLOPE	34:1 / 50:1	34:1 / 50:1	34:1 / 50:1	20:1 / 34:1	20:1 / 34:1
VISUAL APPROACH AIDS	ODALS, VASI / MALSR	ODALS, PAPI / MALSR	ODALS, PAPI / MALSR	VASI / VASI	REIL, PAPI / REIL, PAPI
ELECTRONIC AIDS	GPS, VOR/DME/ILS, GPS LOC/DME BC/	GPS, VOR/DME/ILS, GPS LOC/DME BC/	GPS, VOR/DME/ILS, GPS LOC/DME BC/	GPS RWY 22	GPS RWY 22
APPROACH MINIMUMS	3/4 mile / 1/2 mile	3/4 mile / 1/2 mile	3/4 mile / 1/2 mile	VISUAL / 1 mile	VISUAL / >3/4 mile
TDZ ELEVATION (MSL)	845.6 / 842.4	845.6 / 842.4	845.6 / 842.4	845.0 / 845.3	845.0 / 845.3

NOTES:
THERE ARE NO OFZ OBJECT PENETRATIONS.
THERE ARE NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.



AIRPORT DATA TABLE

AIRPORT DATA	EXISTING	INTERIM	ULTIMATE
AIRPORT ELEVATION (MSL)	845.3	845.3	845.3
AIRPORT REFERENCE POINT (NAD 83)			
LATITUDE	41°06'23.746"N	41°06'26.861"N	41°06'27.859"N
LONGITUDE	92°26'52.583"W	92°26'51.655"W	92°26'53.619"W
MEAN MAX TEMPERATURE OF THE HOTTEST MONTH	86.2° F	86.2° F	86.2° F
AIRPORT TERMINAL AREA NAVAIDS	ILS RWY 31, GPS RWY 13/31, GPS RWY 22 VOR/DME RWY13, LOC/DME BC RWY 13	ILS RWY 31, GPS RWY 13/31, GPS RWY 22 VOR/DME RWY13, LOC/DME BC RWY 13	ILS RWY 31, GPS RWY 13/31, GPS RWY 22 VOR/DME RWY13, LOC/DME BC RWY 13
MAGNETIC VARIATION	N1°12'E	N0°02'E	N1°08'W
DATE OF MAGNETIC VARIATION	2005	2015	2025
NPIAS SERVICE LEVEL	GENERAL AVIATION	GENERAL AVIATION	GENERAL AVIATION
STATE SERVICE LEVEL	ENHANCED SERVICE	ENHANCED SERVICE	ENHANCED SERVICE
AIRPORT REFERENCE CODE	C-II	C-II	C-III

NGS SURVEY CONTROL POINTS
DESIGNATION: AP 1963 STA B
NAD 83 (1996) - 41°06'32.03465"N/092°27'14.39440"W

THE STATION IS A STANDARD TOPO DISK STAMPED AP 1963 STA B SET IN A 12X12 CONCRETE MONUMENT ABOUT 3 INCHES BELOW THE SURFACE OF THE GROUND.

DESIGNATION: WAPELLO AZ MK 2
NAD 83 (1996) - 41°06'11.85432"N/092°27'16.10370"W

THE STATION IS A STANDARD DISK STAMPED WAPELLO 1956 AZ 2 1975, CEMENTED IN A DRILL HOLE IN THE TOP OF THE ORIGINAL AZIMUTH MARK CONCRETE MONUMENT AND ABOUT FLUSH WITH THE GROUND SURFACE.

CONDITIONAL APPROVAL

The approval indicated by my signature is given subject to the condition that the items identified in our approval letter dated October 2, 2008 may not be undertaken without prior written environmental approval by the Federal Aviation Administration. This approval action does not imply any commitment for Federal funding, or approval of future structures requiring notice under FAR Part 77.

Scott O'Leary — 10/2/08
Airport Planning Engineer — Date
FAA Central Region

LEGEND

EXISTING	ULTIMATE	ITEM
NOT SHOWN	BRL	BUILDING RESTRICTION LINE
700	NOT SHOWN	GROUND CONTOURS
	ULT	AIRPORT PROPERTY LINE
		THRESHOLD LIGHTS
NOT SHOWN		FACILITIES(PAVEMENT & BUILDINGS)
RPZ	RPZ	CLEARWAY AREA
		RUNWAY PROTECTION ZONE
TL	TL	TILT LINE & INTAKE
P	NOT SHOWN	POWER LINE
		EASEMENTS
	RPZ	RPZ OWNERSHIP IN FEE
NOT SHOWN		RUNWAY VISIBILITY ZONE
RSA	RSA	RUNWAY SAFETY AREA
		AIRPORT TONGUE
	NOT SHOWN	TELEPHONE LINE
		RUNWAY END IDENTIFICATION LIGHTS
		VISUAL APPROACH SLOPE INDICATOR
OFA	OFA	OBJECT FREE AREA
		APPROACH LIGHT SYSTEM
	PAPI	PRECISION APPROACH PATH INDICATOR

APPROVED:
Dale M. Heckenlaw — 9/22/08
CITY OF OTTUMWA, IOWA — DATE

SCALE
0 500' 1000' 1500'

NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

CGA CONSULTANTS
Clapsaddle-Garber Associates, Inc.
16 East Main Street
Marshalltown, Iowa 50158
Ph 641 752-6701
www.cgaconsultants.com

DESIGNED: DATE:
DRAWN: DATE:
CHECKED: DATE:
APPROVED: DATE:

OTTUMWA INDUSTRIAL AIRPORT
OTTUMWA, IOWA

AIRPORT LAYOUT DRAWING

PROJECT NO. 4256.03
SHEET NO. 2 of 18