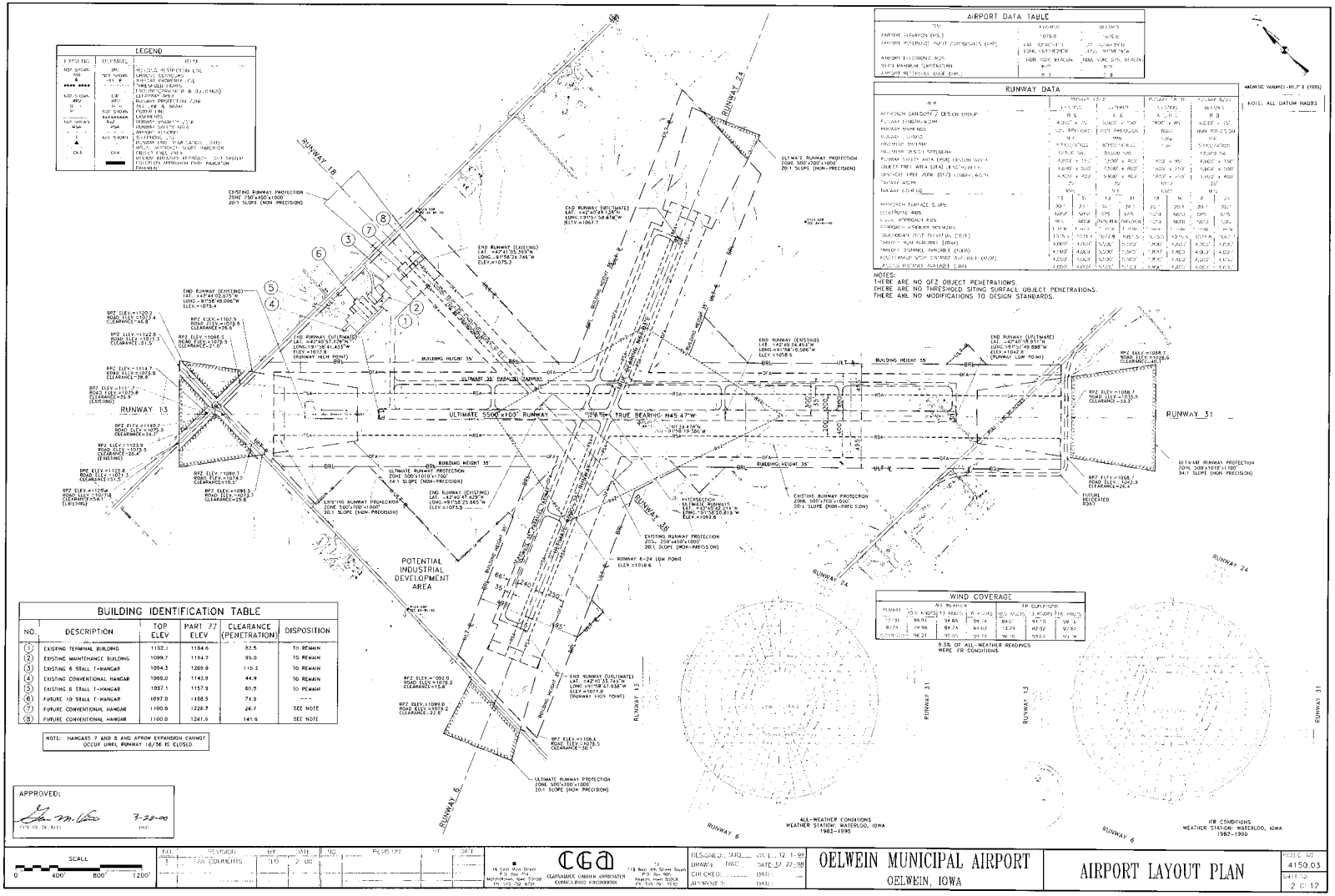

LEGEND

EXISTING	ULTIMATE	ITEM
NOT SHOWN	BRL	BUILDING RESTRICTION LINE
NOT SHOWN	ULT B	ULTIMATE PROPERTY LINE
		THRESHOLD SITING SURFACE (FOR PRECISION APPROACH & BLDG HGHT)
NOT SHOWN	OFZ	CLEARWAY AREA
NOT SHOWN	RPZ	RUNWAY PROTECTION ZONE
		FEE LINE & NUMBER
NOT SHOWN		POWER LINE
NOT SHOWN		RUNWAY SAFETY AREA
NOT SHOWN		RUNWAY SAFETY AREA
		RUNWAY CENTERLINE
		TERMINAL VOR
		RUNWAY END TRUE BEARING
		VISUAL APPROACH SLOPE INDICATOR
		PRECISION APPROACH PATH INDICATOR
		MILITARY AIRSPACE APPROACH - 50:1 SYSTEM
		PRECISION APPROACH PATH INDICATOR
		PARALLEL
OFA		OBSTACLE FREE AREA

AIRPORT DATA TABLE

ITEM	EXISTING	ULTIMATE
AIRPORT ELEVATION (MSL)	1075.0	1075.0
AIRPORT REFERENCE POINT COORDINATES (NAD)	LAT. 42°40'17.0"N LONG. 92°23'58.0"W	LAT. 42°40'17.0"N LONG. 92°23'58.0"W
AIRPORT ELECTRONIC AIDS	NDB, VOR, RILS, GPS	NDB, VOR, GPS, RILS, GPS
WIND WARRANTED CROSSWIND	13	13
AIRPORT RETIRED USAF (ARC)	0	0

RUNWAY DATA

ITEM	RUNWAY 13-31 EXISTING	RUNWAY 13-31 ULTIMATE	RUNWAY 18-36 EXISTING	RUNWAY 18-36 ULTIMATE
APPROACH CATEGORY / DESIGN GROUP	B II	C II	B II	B II
RUNWAY DIMENSION	4,000' x 75'	5,500' x 100'	4,000' x 75'	4,000' x 75'
RUNWAY MARKINGS	NON-PRECISION	NON-PRECISION	BASIC	NON PRECISION
RUNWAY LIGHTS	MIRL	MIRL	LIGHTS	MIRL
RUNWAY SURFACE	ASPHALT	ASPHALT	ASPHALT	ASPHALT
RUNWAY DESIGN STRENGTH	12,500 SWL	12,500 SWL		12,500 SWL
RUNWAY SAFETY AREA (RSA) DIMENSION	4,200' x 150'	5,500' x 400'	4,200' x 150'	4,200' x 150'
OBJECT FREE AREA (OFA) DIMENSION	4,200' x 300'	5,500' x 400'	4,200' x 250'	4,200' x 300'
OBJECT FREE ZONE (OFZ) DIMENSION	4,200' x 250'	5,500' x 400'	4,200' x 250'	4,200' x 400'
RUNWAY ALIGN	35'	35'	10'W	35'
RUNWAY SLOPING	0.5%	0.5%	0.5%	0.5%
APPROACH SURFACE SLOPE	20:1 / 34:1	20:1 / 34:1	20:1 / 20:1	20:1 / 20:1
ELECTRONIC AIDS	NDB/GPS	NDB/GPS	GPS	NDB/GPS
VISUAL APPROACH AIDS	REIL	REIL	PAPI	REIL
AIRSPACE / OBSTRUCTIONS	1:34	1:34	1:34	1:34
DISTANCE FROM RUNWAY CENTERLINE	1,000' / 1,000'	1,000' / 1,000'	1,000' / 1,000'	1,000' / 1,000'
RUNWAY GRADIENT (MAX)	0.5% / 0.5%	0.5% / 0.5%	0.5% / 0.5%	0.5% / 0.5%
RUNWAY CLEARWAY AVAILABLE (CWA)	4,000' / 4,000'	5,500' / 5,500'	4,000' / 4,000'	4,000' / 4,000'
ACCESS ROADS SIDE CLEARANCE AVAILABLE (RCSA)	4,000' / 4,000'	5,500' / 5,500'	4,000' / 4,000'	4,000' / 4,000'
ACCESS DISTANCE AVAILABLE (ADA)	4,000' / 4,000'	5,500' / 5,500'	4,000' / 4,000'	4,000' / 4,000'

NOTES:
THERE ARE NO OFZ OBJECT PENETRATIONS.
THERE ARE NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
THERE ARE NO MODIFICATIONS TO DESIGN STANDARDS.

MAGNETIC VARIANCE—MLP E (1995)

NOTE: ALL DATUM RADIUS

WIND COVERAGE

RUNWAY	ALL WEATHER 10.5 KNOTS	ALL WEATHER 13 KNOTS	ALL WEATHER 16 KNOTS	IFR CONDITIONS 10.5 KNOTS	IFR CONDITIONS 13 KNOTS	IFR CONDITIONS 16 KNOTS
13-31	89.91	94.68	98.14	89.2	94.70	98.14
18-36	74.98	84.74	94.03	73.29	82.92	92.84
COMBINED	96.21	99.25	99.79	96.26	99.04	99.79

9.5% OF ALL-WEATHER READINGS WERE IFR CONDITIONS

ALL-WEATHER CONDITIONS
WEATHER STATION: WATERLOO, IOWA
1982–1990

IFR CONDITIONS
WEATHER STATION: WATERLOO, IOWA
1982–1990

BUILDING IDENTIFICATION TABLE

NO.	DESCRIPTION	TOP ELEV	PART 77 ELEV	CLEARANCE (PENETRATION)	DISPOSITION
1	EXISTING TERMINAL BUILDING	1102.1	1184.6	82.5	TO REMAIN
2	EXISTING MAINTENANCE BUILDING	1099.7	1194.7	95.0	TO REMAIN
3	EXISTING 6 STALL T-HANGAR	1094.3	1209.6	115.3	TO REMAIN
4	EXISTING CONVENTIONAL HANGAR	1099.0	1143.9	44.9	TO REMAIN
5	EXISTING 8 STALL T-HANGAR	1097.1	1157.9	60.8	TO REMAIN
6	FUTURE 10 STALL T-HANGAR	1097.0	1168.9	71.9	---
7	FUTURE CONVENTIONAL HANGAR	1100.0	1226.7	26.7	SEE NOTE
8	FUTURE CONVENTIONAL HANGAR	1100.0	1241.6	141.6	SEE NOTE

NOTE: HANGARS 7 AND 8 AND APRON EXPANSION CANNOT OCCUR UNTIL RUNWAY 18/36 IS CLOSED.

APPROVED:

[signature] 7-28-00

CITY OF OELWEIN DATE

NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE
1	FAA COMMENTS	ND	2-00				

SCALE
0 400' 800' 1200'

CGA
16 East Main Street
P.O. Box 714
Marshalltown, Iowa 50158
Ph. 515 752 6731

CLAPSADDLE GABBER ASSOCIATES
CONSULTING ENGINEERS

11
118 East 4th Street South
P.O. Box 905
Waterloo, Iowa 50704
Ph. 319 291 1510

DESIGNED: DMG DATE: 12-1-99
DRAWN: FRC DATE: 12-27-99
CHECKED: DATE:
APPROVED: DATE:

OELWEIN MUNICIPAL AIRPORT
OELWEIN, IOWA

AIRPORT LAYOUT PLAN

PROJ. NO. 4150.03
SHEET NO. 2 OF 12