

SURVEY CONTROL AND RUNWAY DOCUMENTATION						
TUBINE	WGS84 COORDINATES (NAD83) DEGREES MINUTES SECONDS		SPC: NORTH IOWA (NAD83) UNITS-US SURVEY FEET		NAVD 88 DATUM US SURVEY FEET ELEVATION	DESCRIPTION
	LATITUDE	LONGITUDE	NORTHING	EASTING		
1001	42°02'45.5114" N	90°44'20.35546" W	3492070.903	567835.5238	737.95	FOUND "P" NAIL ( RUNWAY 33 END
1002	42°03'08.8257" N	90°44'25.59835" W	3495020.204	5670324.034	768.96	SET WITNESS NAIL & RUNWAY 33.50 FEET NWN OF END.
N00977	42°03'08.8257" N	90°44'25.59835" W	3494326.279	5670605.922	760	THE STATION IS A PUNCH MARK IN TOP OF A STAINLESS STEEL ROD DRIVEN IN TO THE GROUND AND ENCASED IN A 5-INCH PVC PIPE WITH A LOGO CAP. LOCATED 18.65 W (18.3 FT) SOUTHWEST OF THE CENTER OF RUNWAY, 14.0 M (45.9 FT) SOUTHWEST OF THE CENTER OF ENTRANCE RAMP, 6.9 M (22.6 FT) SOUTH-SOUTHWEST OF THE SOUTHWEST ONE OF TWO RAMP LIGHTS AND 8.9 M (22.6 FT) SOUTHWEST OF A FIBERGLASS WITNESS POST.
N00978	42°02'45.99282" N	90°44'11.54579" W	3492105.903	5677738.945	737	THE STATION IS A PUNCH MARK IN TOP OF A STAINLESS STEEL ROD DRIVEN IN TO THE GROUND AND ENCASED IN A 5-INCH PVC PIPE WITH A LOGO CAP. LOCATED 18.5 M (60.7 FT) SOUTHWEST OF THE CENTER OF THE RUNWAY, 19.6 M (64.3 FT) NORTHWEST OF THE CENTER OF THE TURNROAD, 12.45 M (40.8 FT) NORTHEAST OF THE CENTER OF CATCH BASIN, 5.6 M (18.4 FT) SOUTHWEST OF A RUNWAY LIGHT AND 5.8 M (19.0 FT) SOUTHWEST OF A FIBERGLASS WITNESS POST.

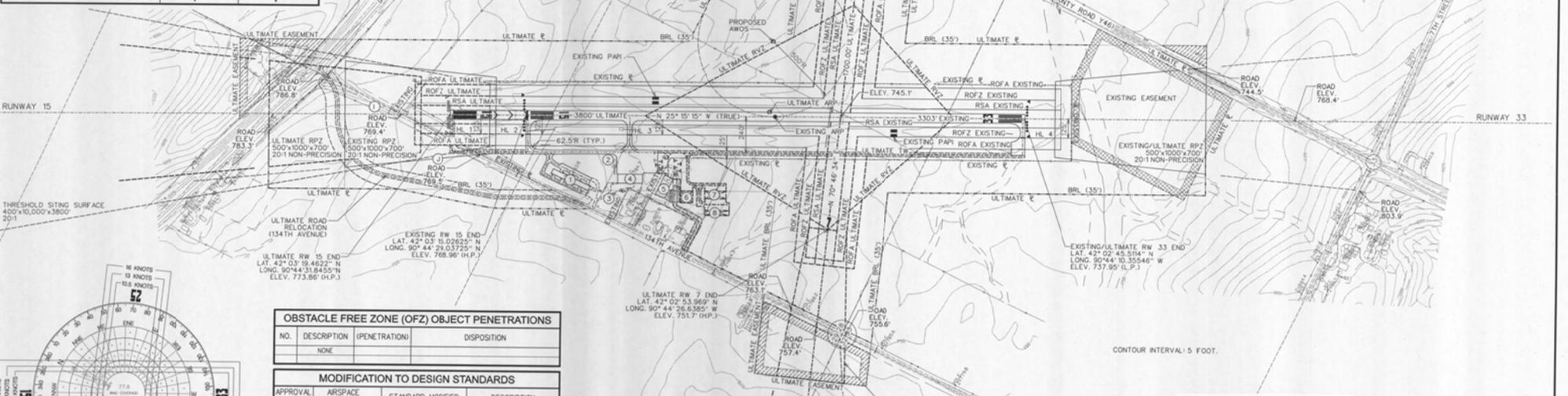
BUILDING IDENTIFICATION	
I.D.	DESCRIPTION
1	EXISTING 8-UNIT TEE HANGAR
2	EXISTING FUEL (LAVGAS TANK)
3	EXISTING NDB BUILDING
4	EXISTING CONVENTIONAL HANGAR (10,360 SF ±)
5	EXISTING CONVENTIONAL HANGAR (9140 SF ±)
6	ULTIMATE CONVENTIONAL HANGAR (6400 SF ±)
7	ULTIMATE 6-UNIT NESTED TEE HANGAR (1949 SF ±)
8	ULTIMATE 4-UNIT RECTANGULAR TEE HANGAR (5544 SF ±)

AIRPORT DATA - NAVD 88		
ITEM	EXISTING	ULTIMATE
AIRPORT ELEVATION	768.0'	773.9'
AIRPORT REFERENCE POINT (ARP)	42° 03' 00" N 90° 44' 20" W	42° 03' 00" N 90° 44' 20" W
MEAN MAX TEMP	84°	84°
AIRPORT NAV AIDS	NDB, GPS	NDB, GPS
ROTATING BEACON	YES	YES
IDENTIFIED CIRCLE	NONE	NONE
LIGHTED WIND INDICATOR	YES	YES
AIRPORT REFERENCE CODE	ANC 0-1	ANC 0-1

ITEM	RUNWAY 15/33		RUNWAY 7/25	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
APPROACH CATEGORY / DESIGN GROUP	B-I	B-I	N/A	B-I
RUNWAY LENGTH / WIDTH	3,303/60'	3,800/60'	N/A	1,700/75'
RUNWAY MARKINGS	NP	NP	N/A	NONE
RUNWAY LIGHTING	MR	MR	N/A	10RF
PAVEMENT MATERIAL	CONCRETE	CONCRETE	N/A	N/A
PAVEMENT STRENGTH (000)	12.5 SW	12.5 SW	N/A	N/A
RUNWAY SAFETY AREA (RSA) LENGTH	3,780	4,280'	N/A	2,980'
RUNWAY SAFETY AREA (RSA) WIDTH	120'	120'	N/A	100'
OBJECT FREE AREA (OFA) LENGTH	3,780	4,280'	N/A	2,980'
OBJECT FREE AREA (OFA) WIDTH	450'	400'	N/A	400'
OBSTACLE FREE ZONE (OFZ) LENGTH	3,700	4,200'	N/A	2,980'
OBSTACLE FREE ZONE (OFZ) WIDTH	250'	250'	N/A	250'
TAXIWAY WIDTH	25'	25'	N/A	N/A
TAXIWAY LIGHTING	NONE	MTL	N/A	N/A
APPROACH SURFACE SLOPE	20:1	20:1	20:1	20:1
ELECTRONIC AID	NDB, GPS	NDB, GPS	N/A	NONE
VISUAL APPROACH AID	REL/PAP	REL/PAP	N/A	NONE
APPROACH VISIBILITY MINIMUM	1.0	1.0	N/A	1.0
TOUCHDOWN ZONE ELEVATION	768.0	773.9	N/A	751.7
TAKEOFF RUN AVAILABLE (TORA)	3,303	3,800	N/A	1,700
TAKEOFF DISTANCE AVAILABLE (TODA)	3,303	3,800	N/A	1,700
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	3,303	3,800	N/A	1,700
LANDING DISTANCE AVAILABLE (LDA)	3,303	3,800	N/A	1,700

RUNWAY END COORDINATES - NAD 83				
RUNWAY	EXISTING	ULTIMATE	EXISTING	ULTIMATE
15	42°02'45.5114" N 90°44'20.35546" W	42°02'45.5114" N 90°44'20.35546" W	42°02'53.989" N 90°44'26.6385" W	42°02'58.498" N 90°44'25.36242" W
33	42°02'45.5114" N 90°44'20.35546" W	42°02'45.5114" N 90°44'20.35546" W	42°02'53.989" N 90°44'26.6385" W	42°02'58.498" N 90°44'25.36242" W
7	42°02'45.5114" N 90°44'20.35546" W	42°02'45.5114" N 90°44'20.35546" W	42°02'53.989" N 90°44'26.6385" W	42°02'58.498" N 90°44'25.36242" W
25	42°02'45.5114" N 90°44'20.35546" W	42°02'45.5114" N 90°44'20.35546" W	42°02'53.989" N 90°44'26.6385" W	42°02'58.498" N 90°44'25.36242" W

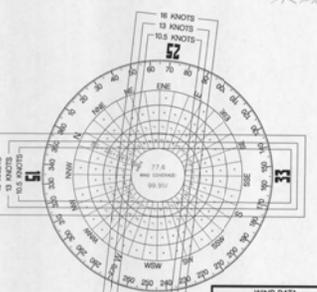
LEGEND		
DESCRIPTION	EXISTING	ULTIMATE
APPROACH PROPERTY LINE	---	---
APPROACH EASEMENT LINE	---	---
BUILDING RESTRICTION LINE	---	---
RUNWAY VISIBILITY ZONE / LINE OF SIGHT	---	---
RUNWAY PROTECTION ZONE	---	---
RUNWAY SAFETY AREA EASEMENT	---	---
RUNWAY SAFETY AREA AND OBJECT FREE AREA BUILDING - STRUCTURES	---	---
PRECISION APPROACH PATH INDICATOR (PAPI)	▲	▲
RUNWAY END IDENTIFIER LIGHTS (REIL)	●	●
THRESHOLD LIGHTS	●	●
FENCE	---	---
PAVEMENT REMOVAL	---	---
TEDDUM	---	---



NOTES:  
 1. EXISTING PAVEMENT BEYOND RW 15 MARKED WITH CHEVRONS TO INDICATE PAVEMENT IS NOT AVAILABLE FOR USE.  
 2. TREES AND POLES NORTH OF IA 64 TO BE REMOVED OR LOWERED AS PER FAR PART 77.  
 3. 134TH AVENUE TO BE RELOCATED.  
 4. BASED ON THE 2003 MAGNETIC DECLINATION AND TRUE RW BEARING, RW 15/33 CHANGES TO RW 16/34. MARKINGS SHOULD BE CHANGED IN THE FUTURE.

HOLDING POSITION TABLE		
HOLDING POSITION	HOLD TYPE	DISTANCE
HL 1	RUNWAY	125'
HL 2	RUNWAY	125'
HL 3	RUNWAY	125'
HL 4	RUNWAY	125'

NOTE: THE DISTANCE FROM THE HOLD LINE IS MEASURED PERPENDICULAR FROM THE RUNWAY CENTERLINE.



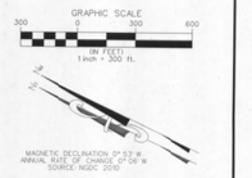
OBSTACLE FREE ZONE (OFZ) OBJECT PENETRATIONS		
NO.	DESCRIPTION (PENETRATION)	DISPOSITION
1	NONE	

MODIFICATION TO DESIGN STANDARDS			
APPROVAL DATE	AIRSPACE CASE NUMBER	STANDARD MODIFIED	DESCRIPTION

THRESHOLD SITING SURFACE OBJECT PENETRATIONS		
NO.	DESCRIPTION (PENETRATION)	DISPOSITION
1	ROAD (13.9'x114')	RELOCATE 134TH AVENUE
2	ROAD (10.5'x121')	RELOCATE 134TH AVENUE

1. THE EXISTING THRESHOLD LOCATION DOES NOT SATISFY REQUIREMENTS SET FORTH IN FAR AC 150/5030-210 AND 9 APPENDIX 2, TABLE 2-1, LINE 3.
2. RELOCATION OF 134TH AVENUE IS PROPOSED SO AS TO ACCOMMODATE APPROACH SURFACE REQUIREMENTS ASSOCIATED WITH RW 15.
3. RW 15 IS EXPECTED TO SUPPORT INSTRUMENT STRAIGHT IN NIGHT OPERATIONS SERVING APPROACH CATEGORY A AND B AIRCRAFT.
4. MINIMUM ROAD CLEARANCE IS 15 FEET.

**CONDITIONAL APPROVAL**  
 The approval indicated by my signature is given subject to the conditions that the items identified in our approval letter shall be corrected. This approval does not imply any commitment for Federal funding, or approval of other structures requiring notice under FAR Part 77.  
 AIRPORT PLANNING ENGINEER  
 PAA Central Region



REVISION BLOCK NUMBER	DATE	DESCRIPTION	APPROVED BY: [Signature]	DATE APPROVED: [Date]	PROJECT: MAQUOKETA MUNICIPAL AIRPORT AIRPORT LAYOUT PLAN	OWNER: SNYDER & ASSOCIATES	3772 S.W. SWINER BLVD. ANKENY, IOWA 50022 515-946-2022	DATE: 10/20/08	DRAWN BY: JLS	CHECKED BY: RHO	PROJECT NO: 104-0694-203	SHEET: 2 OF 10
-----------------------	------	-------------	--------------------------	-----------------------	--	----------------------------	--	----------------	---------------	-----------------	--------------------------	----------------