LEGEND

EXISTING	ITEM	PROPOSED
	RUNWAY CENTERLINE	
RSA	RUNWAY SAFETY AREA (RSA)	RSA
ROFA	RUNWAY OBJECT FREE AREA (ROFA)	ROFA
ROFZ	RUNWAY OBJECT FREE ZONE (ROFZ)	ROFZ
RPZ	RUNWAY PROTECTION ZONE (RPZ)	RPZ
TOFA	TAXIWAY OBJECT FREE AREA (TOFA)	TOFA
	TAXIWAY SAFETY AREA	
NOT SHOWN	BUILDING RESTRICTION LINE	BRL
	AIRPORT PAVEMENT	
ARP	AIRPORT REFERENCE POINT	ARP
	AIRPORT BUILDINGS	
	OTHER BUILDINGS	NOT SHOWN
	AIRPORT PROPERTY LINE	
	OTHER PROPERTY LINES	NOT SHOWN
	RAILROAD	NOT SHOWN
	FENCE	
	ROADS	
	TREELINE	NOT SHOWN
	WETLANDS	NOT SHOWN
950	GROUND ELEVATION CONTOURS	NOT SHOWN
	PROPOSED LAND ACQUISITION	NOT SHOWN
	EASEMENT ACQUISITION	NOT SHOWN
	THRESHOLD LIGHTS	
	RUNWAY END IDENTIFICATION LIGHTS	
PAPI	PRECISION APPROACH PATH INDICATOR	PAPI
VASI	VISUAL APPROACH SLOPE INDICATOR	VASI
	MEDIUM INTENSITY APPROACH LIGHT SYSTEM	
E	POWER LINE	NOT SHOWN
T	TELEPHONE LINE	NOT SHOWN
TL	TILE LINE & INTAKE	NOT SHOWN

AIRPORT DATA TABLE

AIRPORT DATA	EXISTING	ULTIMATE
AIRPORT ELEVATION (MSL)	1300.0	1300.0
AIRPORT REFERENCE POINT (NAD 83)		
LATITUDE	41°01'17.155"N	41°01'19.245"N
LONGITUDE	94°21'47.893"W	94°21'48.828"W
AIRPORT ELECTRONIC AIDS	NDB,GPS,VOR,BEACON	GPS,VOR,BEACON
MEAN MAX TEMPERATURE OF THE HOTTEST MONTH	84.9	84.9
MAGNETIC VARIATION	2°8'E	0°12'W
DATE OF MAGNETIC VARIATION	2010	2030
NPIAS SERVICE LEVEL	GENERAL AVIATION	GENERAL AVIATION
STATE SERVICE LEVEL	GENERAL SERVICE	ENHANCED SERVICE
AIRPORT REFERENCE CODE	B-II	B-II
DESIGN AIRCRAFT	BEECH 300	BEECH 300

NGS SURVEY CONTROL POINTS

DESIGNATION: CRESTPORT
NAD 83 (2007) - 41°01'09.89437"N/094°21'46.59010"W

THE STATION IS A PUNCH MARK IN TOP OF STAINLESS STEEL ROD DRIVEN INTO THE GROUND AND ENCASED IN A 5-INCH PVC PIPE WITH A LOGO CAP SURROUNDED BY CONCRETE.

DESIGNATION: CRESTPORT AZ MK
NAD 83 (2007) - 41°00'52.65094"N/094°21'40.39961"W

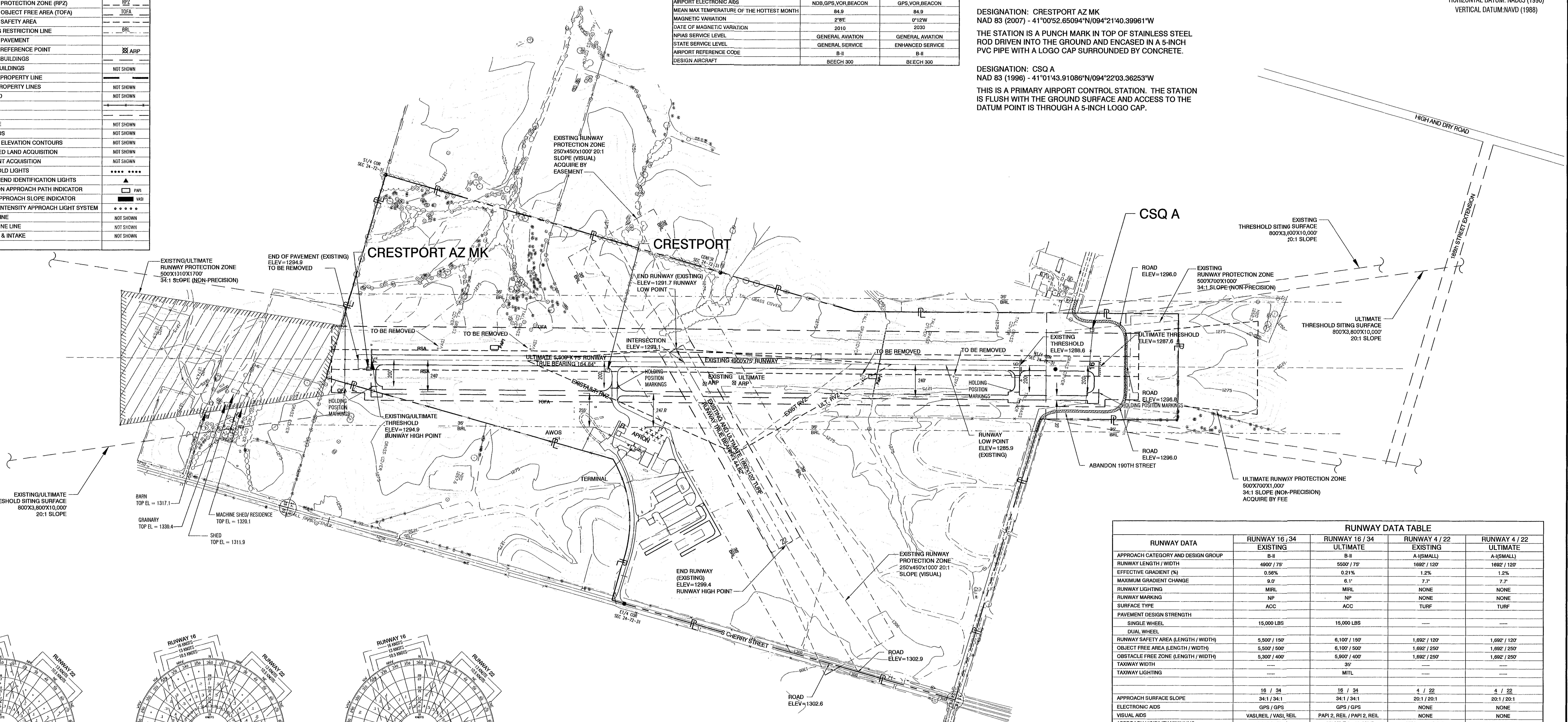
THE STATION IS A PUNCH MARK IN TOP OF STAINLESS STEEL ROD DRIVEN INTO THE GROUND AND ENCASED IN A 5-INCH PVC PIPE WITH A LOGO CAP SURROUNDED BY CONCRETE.

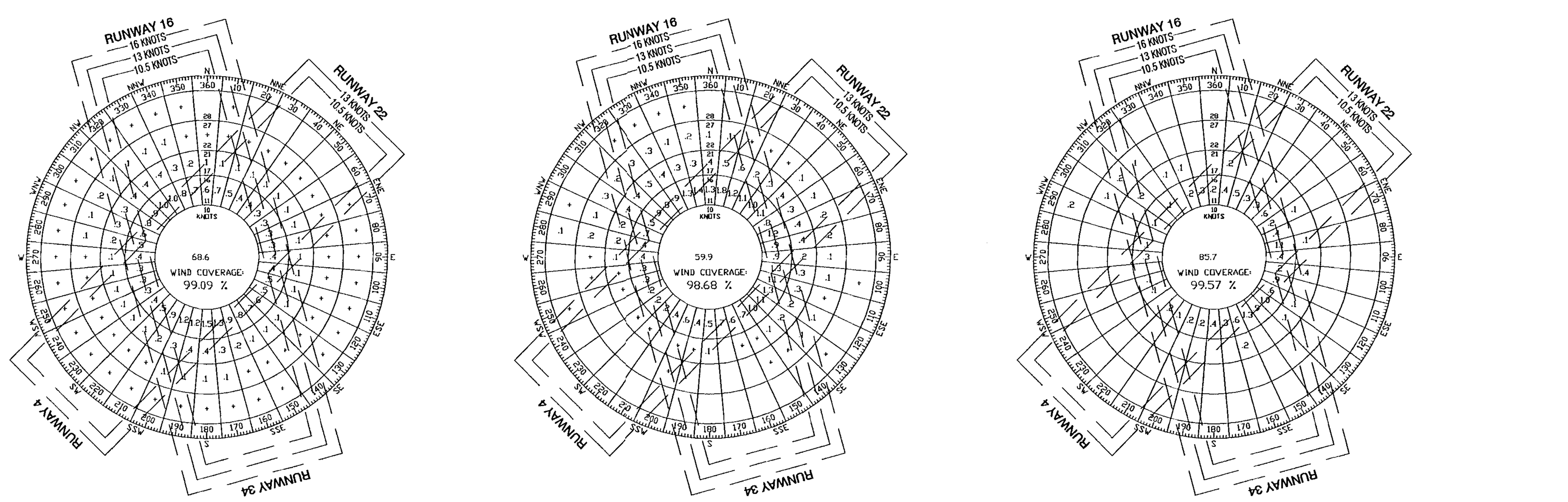
DESIGNATION: CSQ A
NAD 83 (1996) - 41°01'43.91086"N/094°22'03.36253"W

THIS IS A PRIMARY AIRPORT CONTROL STATION. THE STATION IS FLUSH WITH THE GROUND SURFACE AND ACCESS TO THE DATUM POINT IS THROUGH A 5-INCH LOGO CAP.

ANNUAL CHANGE - 0°07'W
MAGNETIC VARIANCE - N2°8'E (2010)

UNION COUNTY, IOWA
IOWA SOUTH ZONE (1402)
HORIZONTAL DATUM: NAD83 (1996)
VERTICAL DATUM:NAVD (1988)





ALL-WEATHER CONDITIONS
WEATHER STATION: CRESTON, IOWA
2000 - 2009

IFR CONDITIONS-VISIBILITY <3 MILES
WEATHER STATION: CRESTON, IOWA
2000 - 2009

CLOSED CONDITIONS
WEATHER STATION: CRESTON, IOWA
2000 - 2009

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
16/34	89.57%	94.17%	97.72%	82.81%	89.85%	95.67%	94.26%	96.94%	99.12%
4/22	82.38%	89.17%	95.25%	78.73%	87.00%	94.17%	91.89%	95.15%	98.44%
Combined	95.17%	97.79%	99.09%	92.52%	96.68%	98.68%	97.61%	99.00%	99.57%

RUNWAY DATA TABLE

RUNWAY DATA	RUNWAY 16 / 34 EXISTING	RUNWAY 16 / 34 ULTIMATE	RUNWAY 4 / 22 EXISTING	RUNWAY 4 / 22 ULTIMATE
APPROACH CATEGORY AND DESIGN GROUP	B-II	B-II	A-I(SMALL)	A-I(SMALL)
RUNWAY LENGTH / WIDTH	4900' / 75'	5500' / 75'	1692' / 120'	1692' / 120'
EFFECTIVE GRADIENT (%)	0.56%	0.21%	1.2%	1.2%
MAXIMUM GRADIENT CHANGE	9.0'	6.1'	7.7'	7.7'
RUNWAY LIGHTING	MIRL	MIRL	NONE	NONE
RUNWAY MARKING	NP	NP	NONE	NONE
SURFACE TYPE	ACC	ACC	TURF	TURF
PAVEMENT DESIGN STRENGTH				
SINGLE WHEEL	15,000 LBS	15,000 LBS	-----	-----
DUAL WHEEL				
RUNWAY SAFETY AREA (LENGTH / WIDTH)	5,500' / 150'	6,100' / 150'	1,692' / 120'	1,692' / 120'
OBJECT FREE AREA (LENGTH / WIDTH)	5,500' / 500'	6,100' / 500'	1,692' / 250'	1,692' / 250'
OBSTACLE FREE ZONE (LENGTH / WIDTH)	5,300' / 400'	5,900' / 400'	1,692' / 250'	1,692' / 250'
TAXIWAY WIDTH	-----	35'	-----	-----
TAXIWAY LIGHTING	-----	MITL	-----	-----
	16 / 34	16 / 34	4 / 22	4 / 22
APPROACH SURFACE SLOPE	34:1 / 34:1	34:1 / 34:1	20:1 / 20:1	20:1 / 20:1
ELECTRONIC AIDS	GPS / GPS	GPS / GPS	NONE	NONE
VISUAL AIDS	VASI,REIL / VASI, REIL	PAPI 2, REIL / PAPI 2, REIL	NONE	NONE
APPROACH VISIBILITY MINIMUMS	1 MILE / 1 MILE	>3/4 MILE / >3/4 MILE	VISUAL / VISUAL	VISUAL / VISUAL
PART 77 APPROACH USE TYPE	C / C	C / C	A (V)	A (V)
AERONAUTICAL SURVEY TYPE REQUIRED FOR APPROACH	-----	VERTICAL GUIDANCE CRITERIA / VERTICAL GUIDANCE CRITERIA	-----	-----
TOUCHDOWN ZONE ELEVATION (TDZE)	1293.1 / 1294.9	1292.9 / 1294.9	1299.4 / 1299.4	1299.4 / 1299.4
TAKEOFF RUN AVAILABLE (TORA)	4,900' / 4,900'	5,500' / 5,500'	1,692' / 1,692'	1,692' / 1,692'
TAKEOFF DISTANCE AVAILABLE (TODA)	4,900' / 4,900'	5,500' / 5,500'	1,692' / 1,692'	1,692' / 1,692'
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	4,900' / 4,900'	5,500' / 5,500'	1,692' / 1,692'	1,692' / 1,692'
LANDING DISTANCE AVAILBLE (LDA)	4,900' / 4,900'	5,500' / 5,500'	1,692' / 1,692'	1,692' / 1,692'
RUNWAY END COORDINATES (NAD 83)				
LATITUDE	41°01'39.426"N / 41°00'52.689"N	41°01'45.142"N / 41°00'52.689"N	41°01'14.396"N / 41°01'26.257"N	41°01'14.396"N / 41°01'26.257"N
LONGITUDE	94°21'58.053"W / 94°21'41.341"W	94°22'00.097"W / 94°21'41.341"W	94°21'50.450"W / 94°21'34.888"W	94°21'50.450"W / 94°21'34.888"W

CONDITIONAL APPROVAL

The approval indicated by my signature is given subject to the condition that the items identified in our approval letter dated 1/14/15 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.

Airport Planning Engineer — Date 1/14/15
FAA Central Region

NOTES:
THERE ARE NO OFZ OBJECT PENETRATIONS.
THERE ARE NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
THERE ARE NO MODIFICATIONS TO AIRPORT DESIGN STANDARDS
AIRSPACE CASE NO. 2014-ACE-3674-NRA

APPROVED:
CITY OF CRESTON, IOWA — DATE 6 Jan 2015

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GRAPHIC SCALE
0 400' 800' 1200'

NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

CGA
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: ______

CRESTON MUNICIPAL AIRPORT
CRESTON, IOWA

AIRPORT LAYOUT PLAN

PROJECT NO. 4432.03
SHEET NO. 2