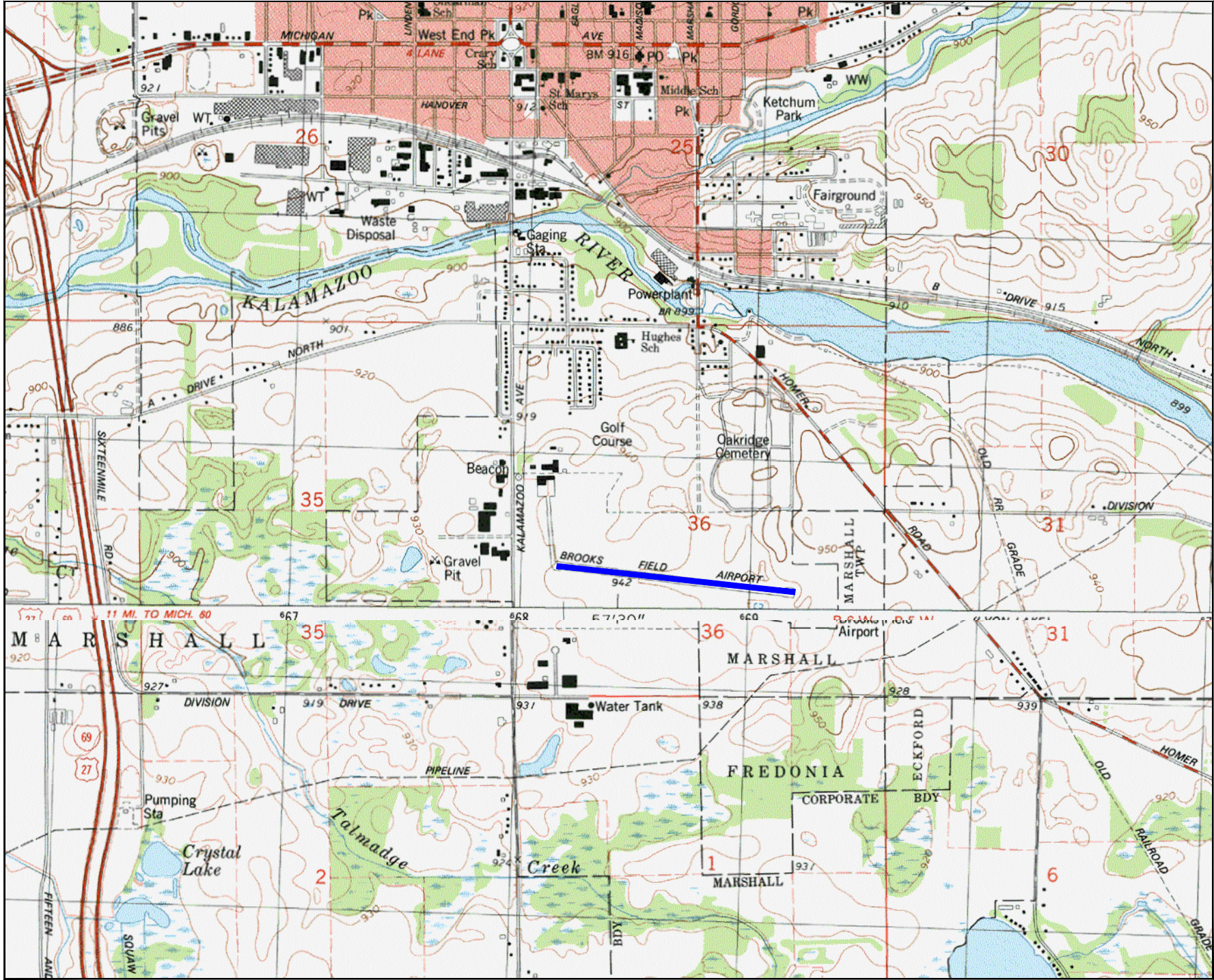
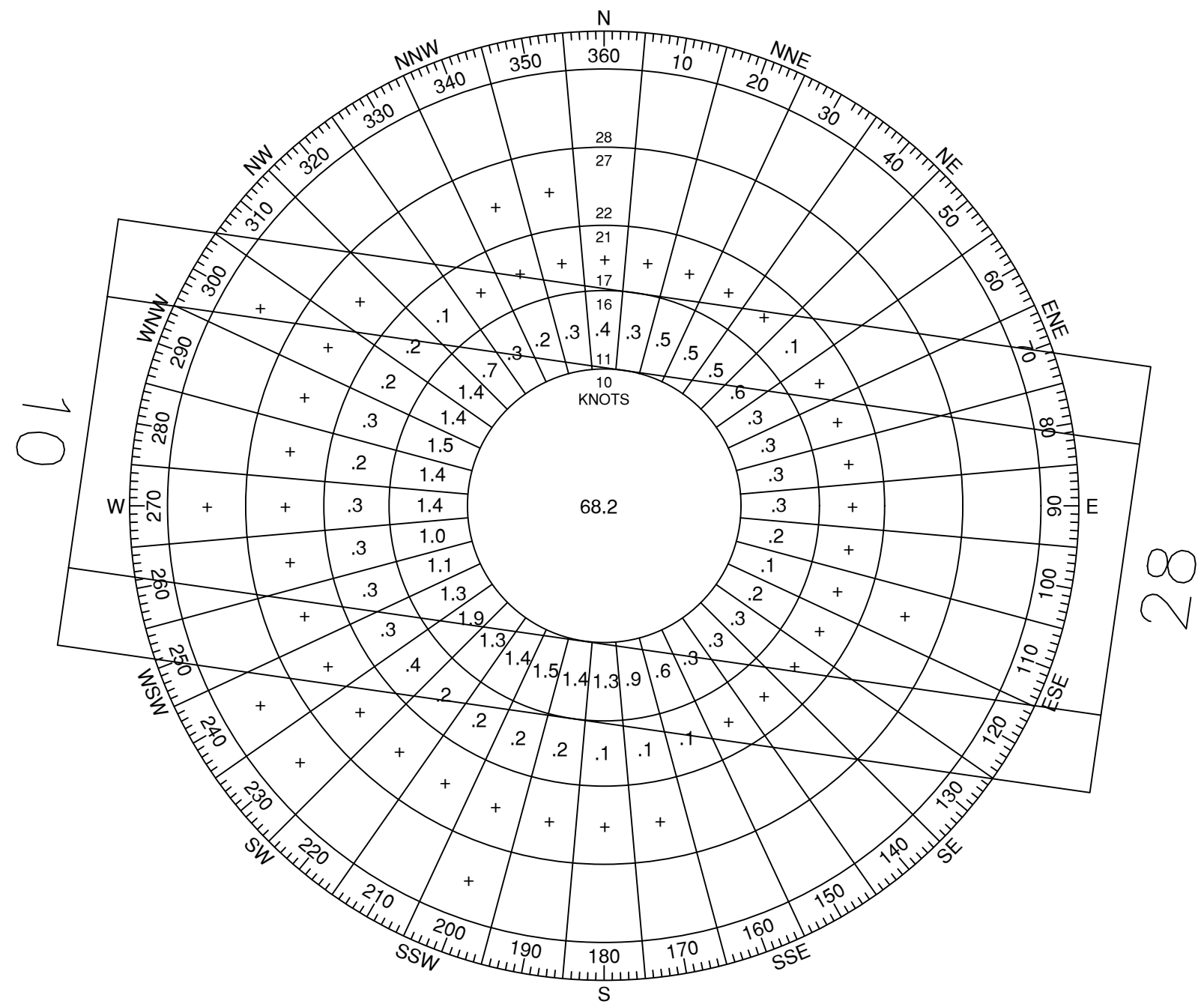
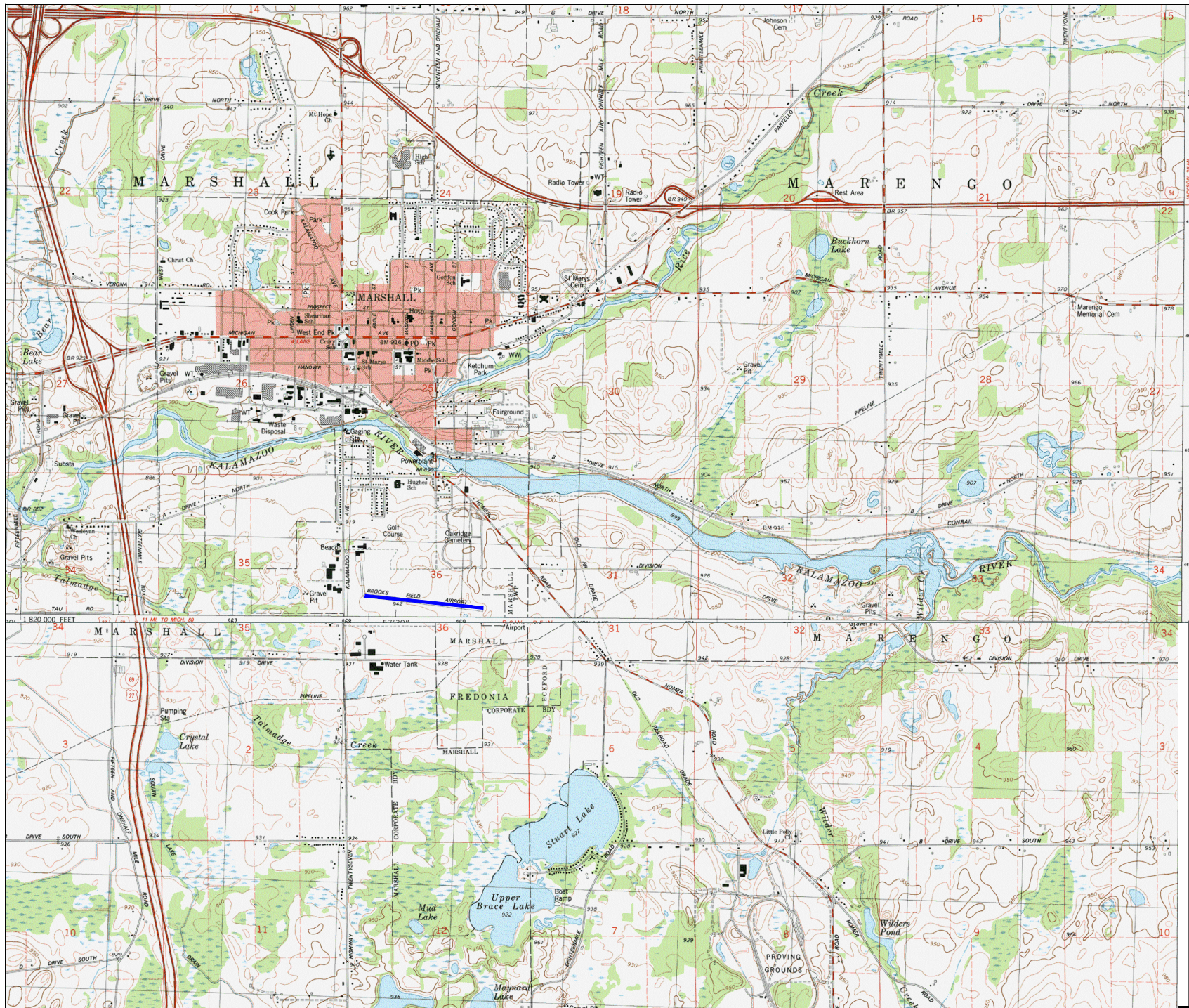


ALL WEATHER WIND ROSE



AIRPORT VICINITY MAP



AIRPORT LOCATION MAP

MAG. DEC.
5° 23' W
5' WEST PER YEAR
AS OF 5-30-03
SOURCE: IGRF2000
(NOAA)

PERCENT WIND COVERAGE TABLE			
WEATHER	CROSSWIND COMPONENT (KNOTS)	RUNWAY 10	RUNWAY 28
ALL	10.5	48.32	66.23
		85.65	
	16.0	55.61	75.74
		98.33	
	20.0	56.45	76.87
		99.73	

NOTE : TAILWIND COMPONENT 3 KNOTS ON SINGLE RUNWAY END COVERAGES
SOURCE : NATIONAL CLIMATIC DATA CENTER;
FAA AIRPORT DESIGN VERSION 4.2
STATION : BATTLE CREEK, MI
PERIOD OF OBSERVATIONS : 1988-1997
58,177 ALL WEATHER OBSERVATIONS

SOURCE OF AERIAL PHOTOGRAPHY

ABRAMS
AERIAL SURVEY CORPORATION
124 NORTH LARCH LANSING, MI 48912
PO Box 15008 LANSING, MI 48901-5008

DATE OF PHOTOGRAPHY 8-14-01

AIRPORT DATA TABLE

COUNTY: CALHOUN	TOWNSHIP: MARSHALL	TOWN: T25
MEAN MAX TEMPERATURE: 83° F		RANGE: R6W
AIRPORT REFERENCE POINT: EXISTING	LAT: 42° 15' 4.29"	LONG: 84° 57' 19.61"
AIRPORT REFERENCE POINT: FUTURE	LAT: 42° 15' 3.55"	LONG: 84° 57' 11.02"
EXISTING		FUTURE
AIRPORT ELEVATION	941'	941'
AIRPORT & TERMINAL AIDS	ROTATING BEACON, AWOS	ROTATING BEACON, AWOS
SERVICE LEVEL	GENERAL UTILITY	GENERAL UTILITY
AIRPORT REFERENCE CODE	B-II	B-II

GLOSSARY OF ABBREVIATIONS

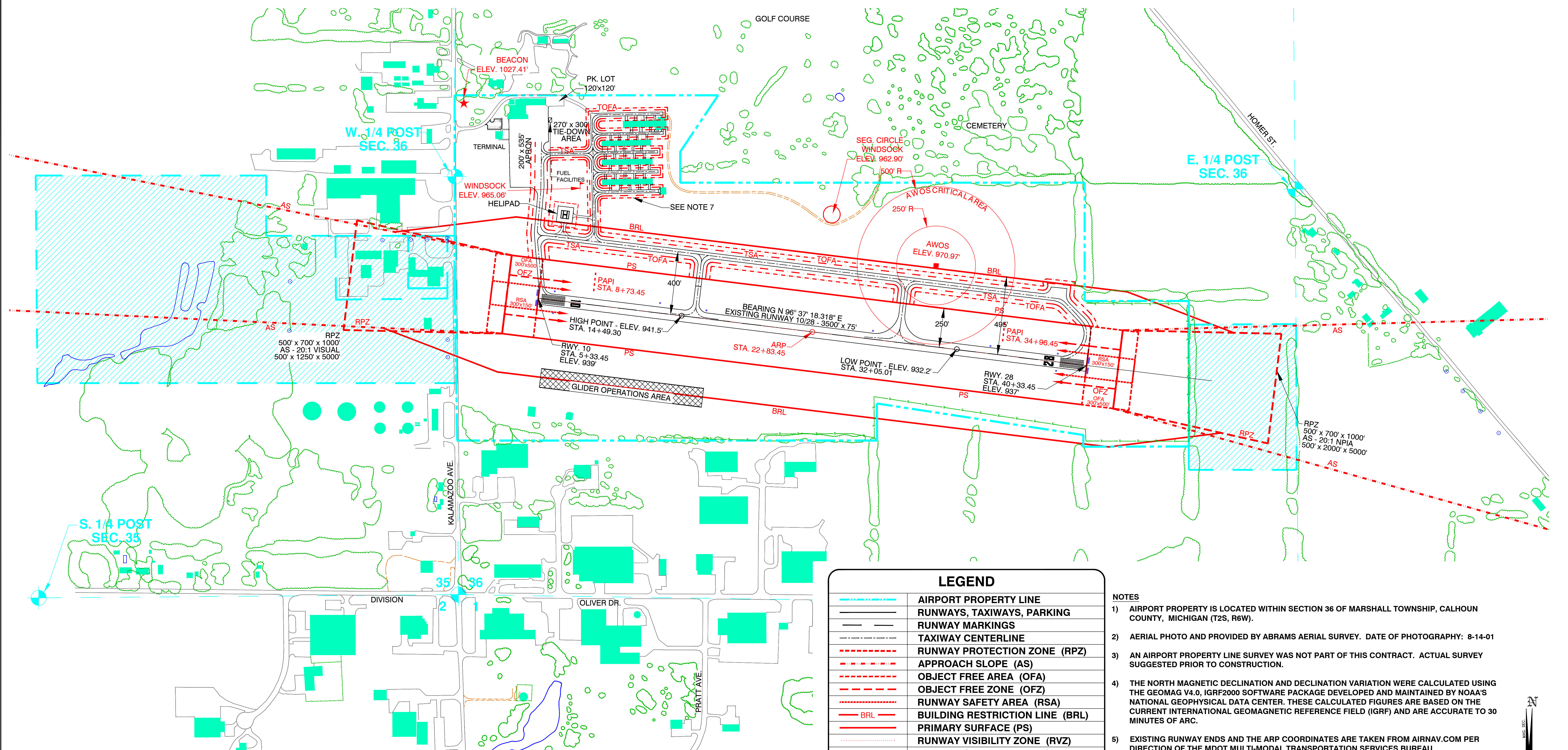
GS	Glide Slope
HIRL	High Intensity Runway Lights
ILS	Instrument Landing System
MALS	Medium Intensity Approach Light System with Runway Alignment Indicator Lights
MIRL	Medium Intensity Runway Lights
NDB	Non - Directional Radio Beacon
MM	Middle Marker
PAPI	Precision Approach Path Indicator
REIL	Runway End Identifier Lights
VASI	Visual Approach Slope Indicator
ARFF	Aircraft Rescue and Fire Fighting
ARP	Airport Reference Point
BRL	Building Restriction Line
CAT	Category of Instrument Approach
RWY	Runway
TWY	Taxiway

RUNWAY APPROACH DATA TABLE

	EXISTING 10	FUTURE 10	EXISTING 28	FUTURE 28
RUNWAY LENGTH	3500'	4800'	3500'	4800'
DISPLACED THRESHOLD	NA	NA	NA	NA
EFFECTIVE LANDING LENGTH	3500'	4800' *	3500'	4800' *
RUNWAY WIDTH	75'	75'	75'	75'
PAVEMENT TYPE	ASPHALT	ASPHALT	ASPHALT	ASPHALT
PAVEMENT STRENGTH	12,500 lbs.	12,500 lbs.	12,500 lbs.	12,500 lbs.
RUNWAY LIGHTING	MIRL	MIRL	MIRL	MIRL
RUNWAY MARKING	VISUAL	NPIA	NPIA	NPIA
NAVIGATIONAL AIDS	W. SOCK, SEG. CIRCLE, ROT. BEACON	W. SOCK, SEG. CIRCLE, ROT. BEACON	W. SOCK, SEG. CIRCLE, ROT. BEACON	W. SOCK, SEG. CIRCLE, ROT. BEACON
APPROACH LIGHTING	PAPI	PAPI	PAPI	PAPI
AIRPORT REFERENCE CODE	B-II	B-II	B-II	B-II
CRITICAL AIRCRAFT	KING AIR, C-90	PENDING	KING AIR, C-90	PENDING
APPROACH	20:1	20:1	20:1	34:1
RUNWAY PROTECTION ZONE	500' x 700' x 1000'	500' x 700' x 1000'	500' x 700' x 1000'	500' x 700' x 1000'
APPROACH VISIBILITY MINIMUMS	460' AGL, 1 MILE	PENDING	460' AGL, 1 MILE	PENDING
RWY. END COORDINATES: LAT.	42° 15' 6.28"	42° 15' 6.28"	42° 15' 2.30"	42° 15' 00.81"
LONG.	84° 57' 42.72"	84° 57' 42.72"	84° 56' 56.50"	84° 56' 39.32"

* FUTURE RUNWAY LENGTH SHOWN IS BASED UPON PHYSICAL LIMITS OF THE SITE. THE FEASIBILITY OF EXTENDING TO THIS RUNWAY LENGTH WILL BE PREDICATED UPON A CHANGE IN CRITICAL AIRCRAFT AND DEMAND FOR RUNWAY LENGTH. A RUNWAY LENGTH OF SOMETHING SHORTER MAY BE AN INTERIM PHASE OF DEVELOPMENT.

BROOKS FIELD MARSHALL, MICHIGAN			
DATA SHEET			
MEAD & MOUNT ENGINEERS ARCHITECTS SCIENTISTS PLANNERS			
APPROVED		DESIGNED	SADW 7/02
DRAWN		JSB	5/03
CHECKED		SADW	6/03
DATE		SHEET 2 OF 12	
STEPHANIE A.D. WARD, AICP			
DRAWING NAME 13-2data FILE NUMBER 13-2			



LEGEND	
	AIRPORT PROPERTY LINE
	RUNWAYS, TAXIWAYS, PARKING
	RUNWAY MARKINGS
	TAXIWAY CENTERLINE
	RUNWAY PROTECTION ZONE (RPZ)
	APPROACH SLOPE (AS)
	OBJECT FREE AREA (OFA)
	OBJECT FREE ZONE (OFZ)
	RUNWAY SAFETY AREA (RSA)
	BUILDING RESTRICTION LINE (BRL)
	PRIMARY SURFACE (PS)
	RUNWAY VISIBILITY ZONE (RVZ)
	TAXIWAY SAFETY AREA (TSA)
	TAXIWAY OBJECT FREE AREA (TOFA)
	RUNWAY LIGHTS
	BUILDINGS
	PAVED ROADS
	UNPAVED ROADS
	WINDSOCK
	VASI OR PAPI
	REIL
	SEGMENTED CIRCLE
	BEACON
	FENCE LINE
	TREES AND TREE LINES
	RIVER - WATER
	EASEMENTS
	SECTION CORNER
	GLIDER OPERATIONS AREA

- NOTES**
- AIRPORT PROPERTY IS LOCATED WITHIN SECTION 36 OF MARSHALL TOWNSHIP, CALHOUN COUNTY, MICHIGAN (T2S, R6W).
 - AERIAL PHOTO AND PROVIDED BY ABRAMS AERIAL SURVEY. DATE OF PHOTOGRAPHY: 8-14-01
 - AN AIRPORT PROPERTY LINE SURVEY WAS NOT PART OF THIS CONTRACT. ACTUAL SURVEY SUGGESTED PRIOR TO CONSTRUCTION.
 - THE NORTH MAGNETIC DECLINATION AND DECLINATION VARIATION WERE CALCULATED USING THE GEOMAG V4.0, IGRF2000 SOFTWARE PACKAGE DEVELOPED AND MAINTAINED BY NOAA'S NATIONAL GEOPHYSICAL DATA CENTER. THESE CALCULATED FIGURES ARE BASED ON THE CURRENT INTERNATIONAL GEOMAGNETIC REFERENCE FIELD (IGRF) AND ARE ACCURATE TO 30 MINUTES OF ARC.
 - EXISTING RUNWAY ENDS AND THE ARP COORDINATES ARE TAKEN FROM AIRNAV.COM PER DIRECTION OF THE MDOT MULTI-MODAL TRANSPORTATION SERVICES BUREAU.
 - RUNWAY BEARING LISTED WAS PROVIDED BY THE MDOT MULTI-MODAL TRANSPORTATION SERVICES BUREAU.
 - HANGAR AREA IS AIRPLANE DESIGN GROUP I WITH A TAXIWAY SAFETY AREA WIDTH OF 49' AND TAXILANE OBJECT FREE AREA WIDTH OF 79'.

RUNWAY DATA					
RUNWAY	LATITUDE	LONGITUDE	ELEVATION	STATION	
10	42° 15' 6.281"	84° 57' 42.719"	939'	5+33.45	
28	42° 15' 2.296"	84° 56' 56.495"	937'	40+33.45	

SAFETY AREA DIMENSIONS					
RUNWAY	RPZ	APPROACH SLOPE	RSA	OFA	OFZ
10	500'x700'x1000'	500'x1250'x5000' 20:1 VISUAL APPROACH	300'x150'	300'x500'	200'x250'
28	500'x700'x1000'	500'x2000'x5000' 20:1 NPFA APPROACH	300'x150'	300'x500'	200'x250'

DIMENSIONAL INFORMATION		
	RWY 10	RWY 28
RUNWAY LENGTHS	3500'	3500'
RUNWAY WIDTHS	75'	75'
RUNWAY SHOULDER WIDTHS	NA	NA
TAXIWAY WIDTHS	35'	35'
TAXIWAY EDGE SAFETY MARGINS	7.5'	7.5'
TAXIWAY SHOULDER WIDTHS	NA	NA
TAXIWAY SAFETY AREA WIDTHS	79'	79'
TAXIWAY OBJECT FREE AREA WIDTHS	131'	131'
RWY. CENTERLINE TO TWY. CENTERLINE	400'	400'
RUNWAY CENTERLINE TO BRL	495'	495'

6

5/21

AS-BUILT FOR TERMINAL BLDG

AEF

BJH

5

11/18

AS-BUILT FOR TREE CLEARING

BJH

AEF

4

11/15

AS-BUILT FOR FM 13-02-C21

BJH

AEF

3

1/10

AS-BUILT FOR FM 13-02-C17

AEF

RGN

2

10/05

AS-BUILT HELIPAD

AEF

SADW

1

8/04

MMTSB REVIEW

JSB

SADW

NO. DATE REMARKS BY CHK

REVISIONS

STEPHANIE A.D. WARD, AICP

DATE

SHEET 3 OF 12

BROOKS FIELD
MARSHALL, MICHIGAN

EXISTING AIRPORT LAYOUT PLAN

MEAD HUNT

ENGINEERS
ARCHITECTS
SCIENTISTS
PLANNERS

CAPITAL CITY AIRPORT
3800 E. AIRPORT SERVICE DRIVE
LANSING, MICHIGAN 48206
(313) 321-3000
(313) 321-3002 FAX

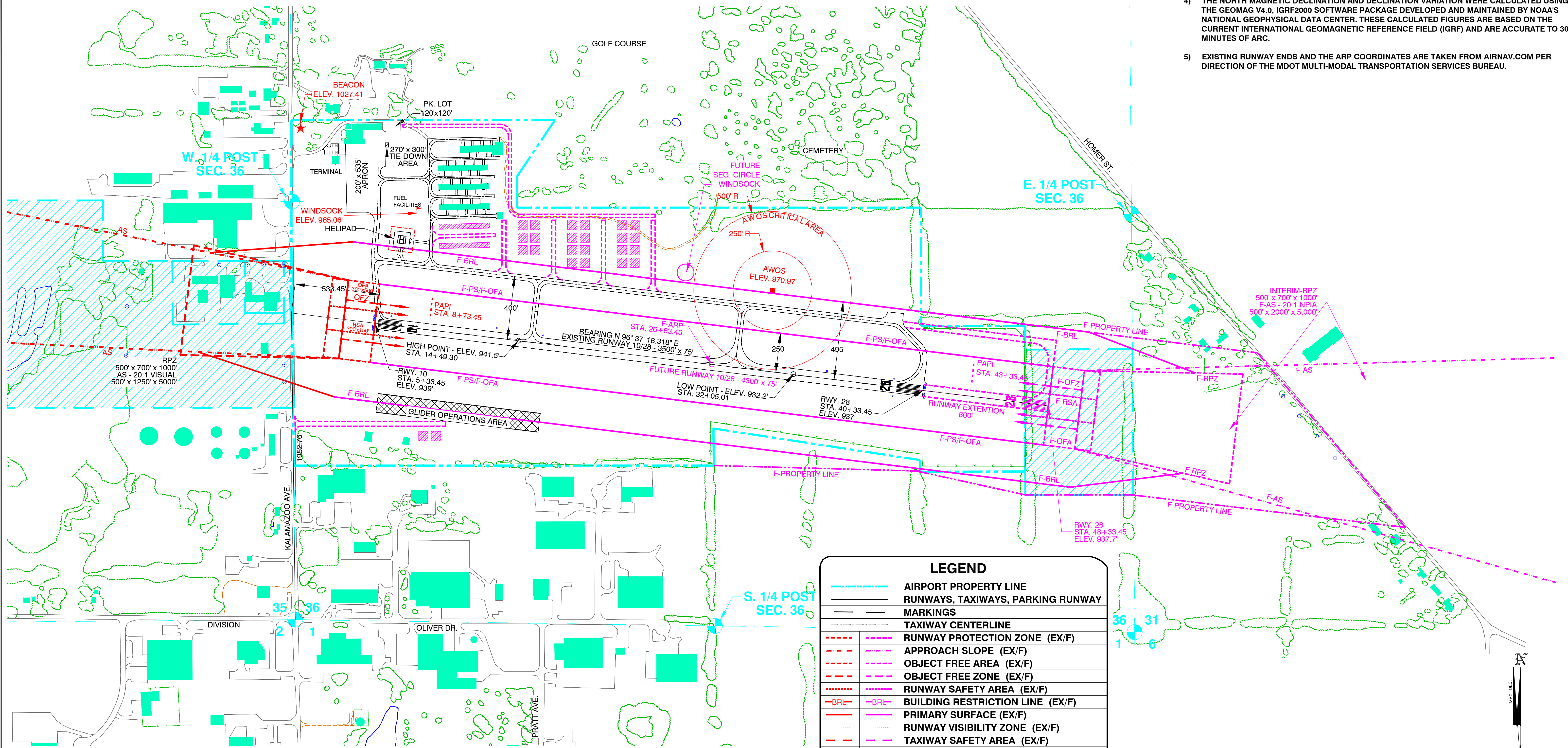
DRAWN JSB 5/03
CHECKED SADW 6/03

DESIGNED SADW 7/02

DRAWING NAME 13-2_Ex-ALP

FILE NUMBER 13-2

- NOTES
- 1) AIRPORT PROPERTY IS LOCATED WITHIN SECTION 36 OF MARSHALL TOWNSHIP, CALHOUN COUNTY, MICHIGAN (T2S, R6W).
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 - 5) EXISTING RUNWAY ENDS AND THE ARP COORDINATES ARE TAKEN FROM AIRNAV.COM PER DIRECTION OF THE MDOT MULTI-MODAL TRANSPORTATION SERVICES BUREAU.

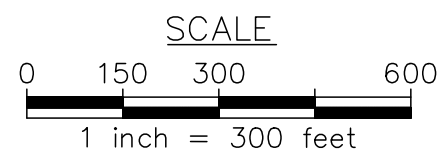


RUNWAY DATA				
RUNWAY	LATITUDE	LONGITUDE	ELEVATION	STATION
EX -10	42° 15' 6.28"	84° 57' 42.72"	939'	5+33.45
INT-28	42° 15' 01.68"	84° 56' 32.25"	940'	48+33.45

SAFETY AREA DIMENSIONS					
RUNWAY	RPZ	APPROACH SLOPE	RSA	OFA	OFZ
10	500'x700'x1000'	500'x1250'x5000' 20:1 VISUAL APPROACH	300'x150'	300'x500'	200'x250'
28	500'x700'x1000'	500'x2000'x5000' 20:1 NP1A	300'x150'	300'x500'	200'x250'

DIMENSIONAL INFORMATION		RWY 10	RWY 28
RUNWAY LENGTHS		4300'	4300'
RUNWAY WIDTHS		75'	75'
RUNWAY SHOULDER WIDTHS		NA	NA
TAXIWAY WIDTHS		35'	35'
TAXIWAY EDGE SAFETY MARGINS		7.5'	7.5'
TAXIWAY SHOULDER WIDTHS		NA	NA
TAXIWAY SAFETY AREA WIDTHS		79'	79'
TAXIWAY OBJECT FREE AREA WIDTHS		131'	131'
RWY. CENTERLINE TO TWY. CENTERLINE		400'	400'
RUNWAY CENTERLINE TO BRL		495'	495'

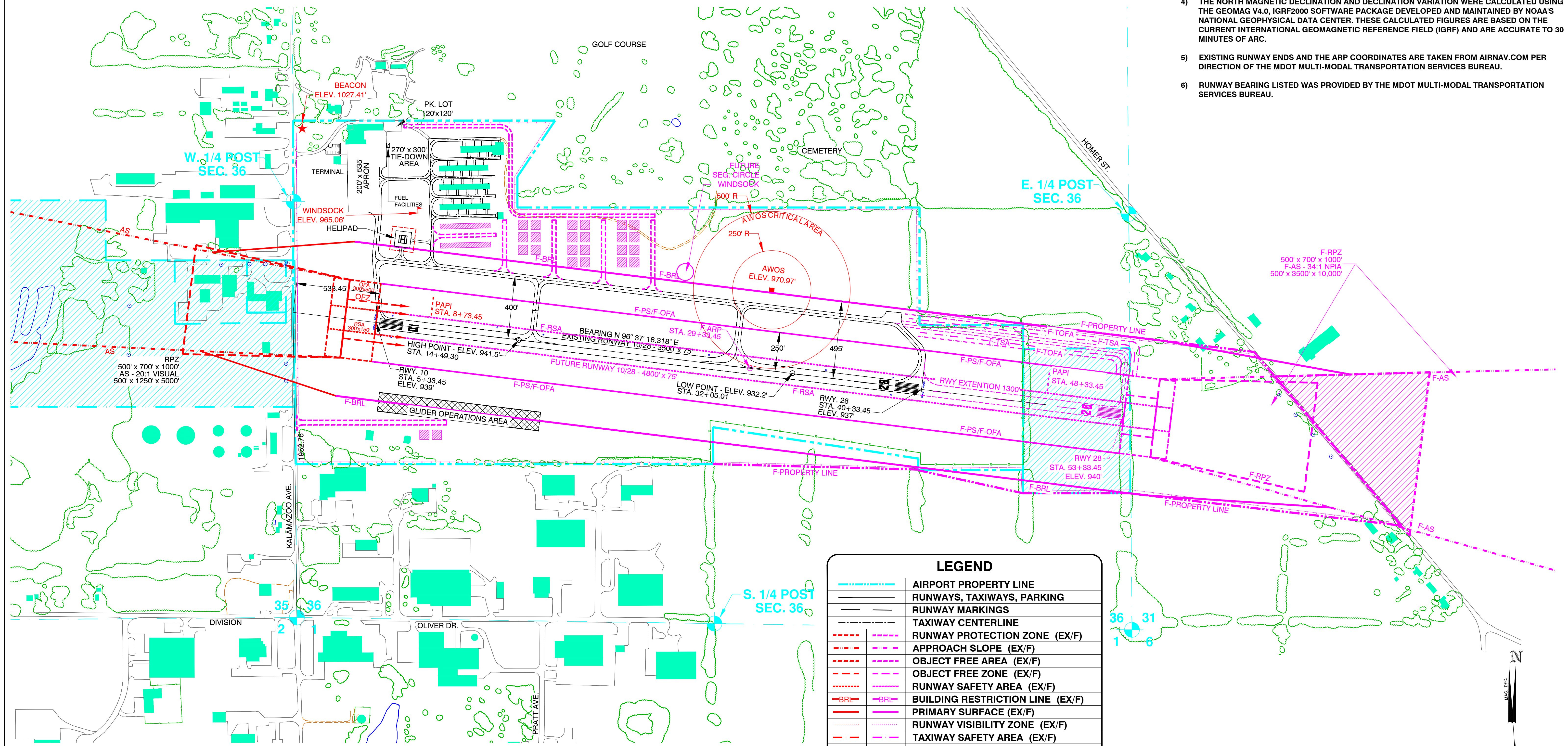
LEGEND	
	AIRPORT PROPERTY LINE
	RUNWAYS, TAXIWAYS, PARKING RUNWAY MARKINGS
	TAXIWAY CENTERLINE
	RUNWAY PROTECTION ZONE (EX/F)
	APPROACH SLOPE (EX/F)
	OBJECT FREE AREA (EX/F)
	OBJECT FREE ZONE (EX/F)
	RUNWAY SAFETY AREA (EX/F)
	BUILDING RESTRICTION LINE (EX/F)
	PRIMARY SURFACE (EX/F)
	RUNWAY VISIBILITY ZONE (EX/F)
	TAXIWAY SAFETY AREA (EX/F)
	TAXIWAY OBJECT FREE AREA (EX/F)
	RUNWAY LIGHTS
	EX-BUILDINGS
	F-BUILDINGS
	PAVED ROADS
	UNPAVED ROADS
	WINDSOCK
	VASI OR PAPI
	REIL
	SEGMENTED CIRCLE
	BEACON
	FENCE LINE
	TREES AND TREE LINES
	RIVER - WATER
	EXISTING / FUTURE EASEMENT
	SECTION CORNER
	GLIDER OPERATIONS AREA



MAGNETIC DECLINATION
5° 23' W
5° WEST PER YEAR
AS OF 5-30-03
SOURCE: IGRF2000
(NOAA)

BROOKS FIELD MARSHALL, MICHIGAN			
INTERIM AIRPORT LAYOUT PLAN (4300')			
		APPROVED	
DESIGNED		SADW	7/02
DRAWN		JSB	5/03
CHECKED		SADW	6/03
REVISIONS		SHEET 3A OF 12	
DRAWING NAME		FILE NUMBER	
13-2-FU-4300		13-2	

- NOTES
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 - 6) RUNWAY BEARING LISTED WAS PROVIDED BY THE MDOT MULTI-MODAL TRANSPORTATION SERVICES BUREAU.

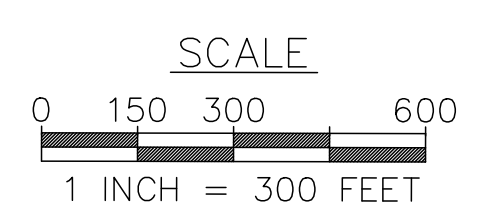


LEGEND	
	AIRPORT PROPERTY LINE
	RUNWAYS, TAXIWAYS, PARKING
	RUNWAY MARKINGS
	TAXIWAY CENTERLINE
	RUNWAY PROTECTION ZONE (EX/F)
	APPROACH SLOPE (EX/F)
	OBJECT FREE AREA (EX/F)
	OBJECT FREE ZONE (EX/F)
	RUNWAY SAFETY AREA (EX/F)
	BUILDING RESTRICTION LINE (EX/F)
	PRIMARY SURFACE (EX/F)
	RUNWAY VISIBILITY ZONE (EX/F)
	TAXIWAY SAFETY AREA (EX/F)
	TAXIWAY OBJECT FREE AREA (EX/F)
	RUNWAY LIGHTS
	EX-BUILDINGS
	F-BUILDINGS
	PAVED ROADS
	UNPAVED ROADS
	WINDSOCK
	VASI OR PAPI
	REIL
	SEGMENTED CIRCLE
	BEACON
	FENCE LINE
	TREES AND TREE LINES
	RIVER - WATER
	EXISTING / FUTURE EASEMENT
	SECTION CORNER
	GLIDER OPERATIONS AREA

RUNWAY DATA				
RUNWAY	LATITUDE	LONGITUDE	ELEVATION	STATION
10	42° 15' 6.28"	84° 57' 42.72"	939'	5+33.45
28	42° 15' 00.81"	84° 56' 39.32"	940'	53+33.45

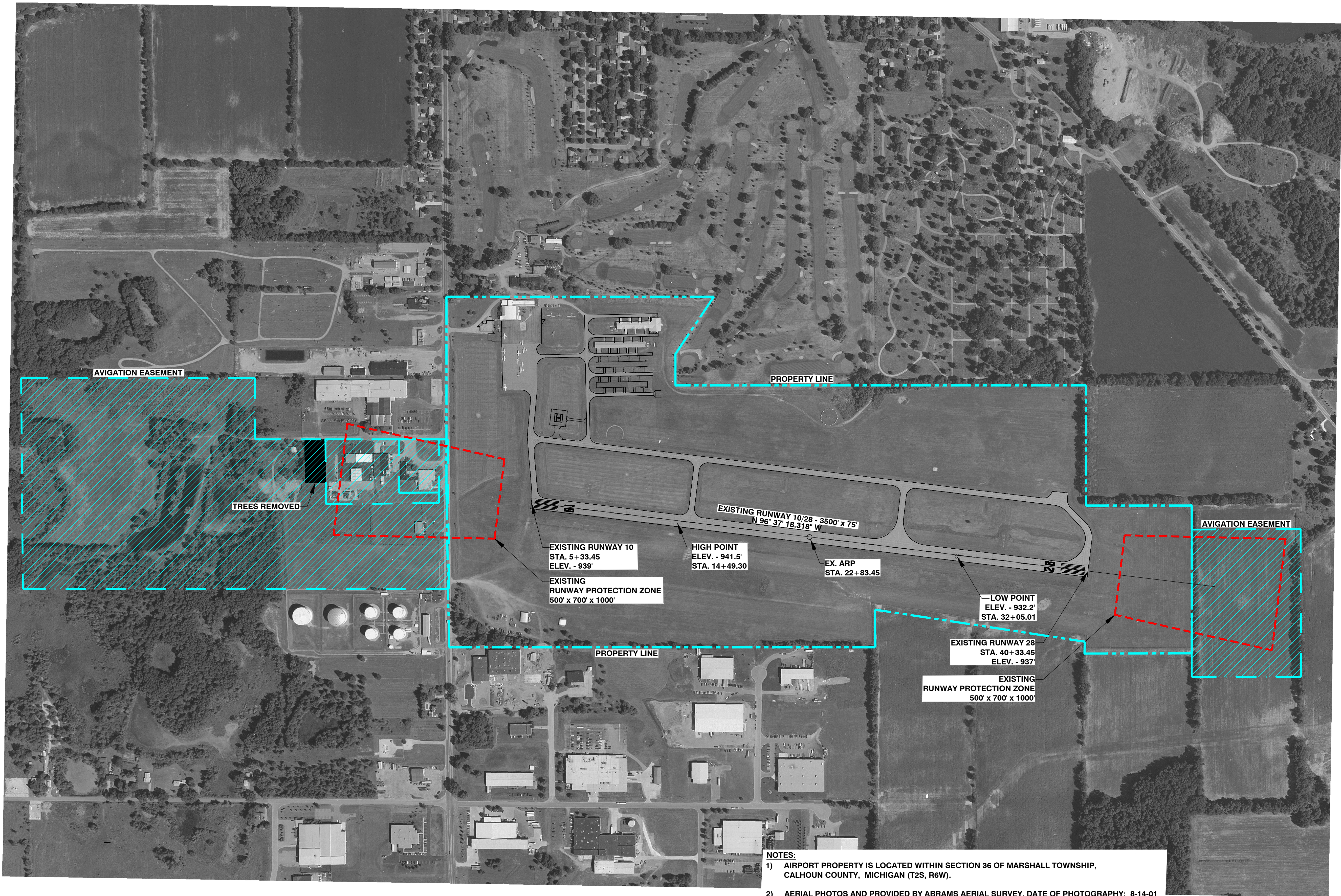
SAFETY AREA DIMENSIONS					
RUNWAY	RPZ	APPROACH SLOPE	RSA	OFA	OFZ
10	500'x700'x1000'	500'x1500'x5000' 20:1 VISUAL APPROACH	300'x150'	300'x500'	200'x250'
28	500'x1010'x1700'	500'x3500'x10000' 34:1 NP1A	300'x150'	300'x500'	200'x250'

DIMENSIONAL INFORMATION			
	RWY 10	RWY 28	
RUNWAY LENGTHS	4800'	4800'	
RUNWAY WIDTHS	75'	75'	
RUNWAY SHOULDER WIDTHS	NA	NA	
TAXIWAY WIDTHS	35'	35'	
TAXIWAY EDGE SAFETY MARGINS	7.5'	7.5'	
TAXIWAY SHOULDER WIDTHS	NA	NA	
TAXIWAY SAFETY AREA WIDTHS	79'	79'	
TAXIWAY OBJECT FREE AREA WIDTHS	131'	131'	
RWY. CENTERLINE TO TWY. CENTERLINE	400'	400'	
RUNWAY CENTERLINE TO BRL	495'	495'	

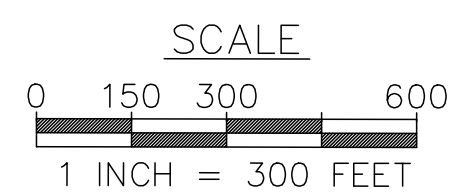


MAGNETIC DECLINATION
5° 23' W
5° WEST PER YEAR
AS OF 5-30-03
SOURCE: IGRF2000
(NOAA)

6	5/21	AS-BUILT FOR TERMINAL BLDG	AEF	BJH
5	11/18	AS-BUILT FOR TREE CLEARING	BJH	AEF
4	11/15	AS-BUILT FOR FM 13-02-C21	BJH	AEF
3	1/10	AS-BUILT FOR FM 13-02-C17	AEF	RGN
2	10/05	AS-BUILT HELIPAD	AEF	SADW
1	8/04	MMTSB REVIEW	JSB	SADW
NO.	DATE	REVISIONS	BY	CHK.



MAGNETIC DECLINATION
5° 23' W
5° WEST PER YEAR
AS OF 5-30-03
SOURCE: IGRF2000
(NOAA)



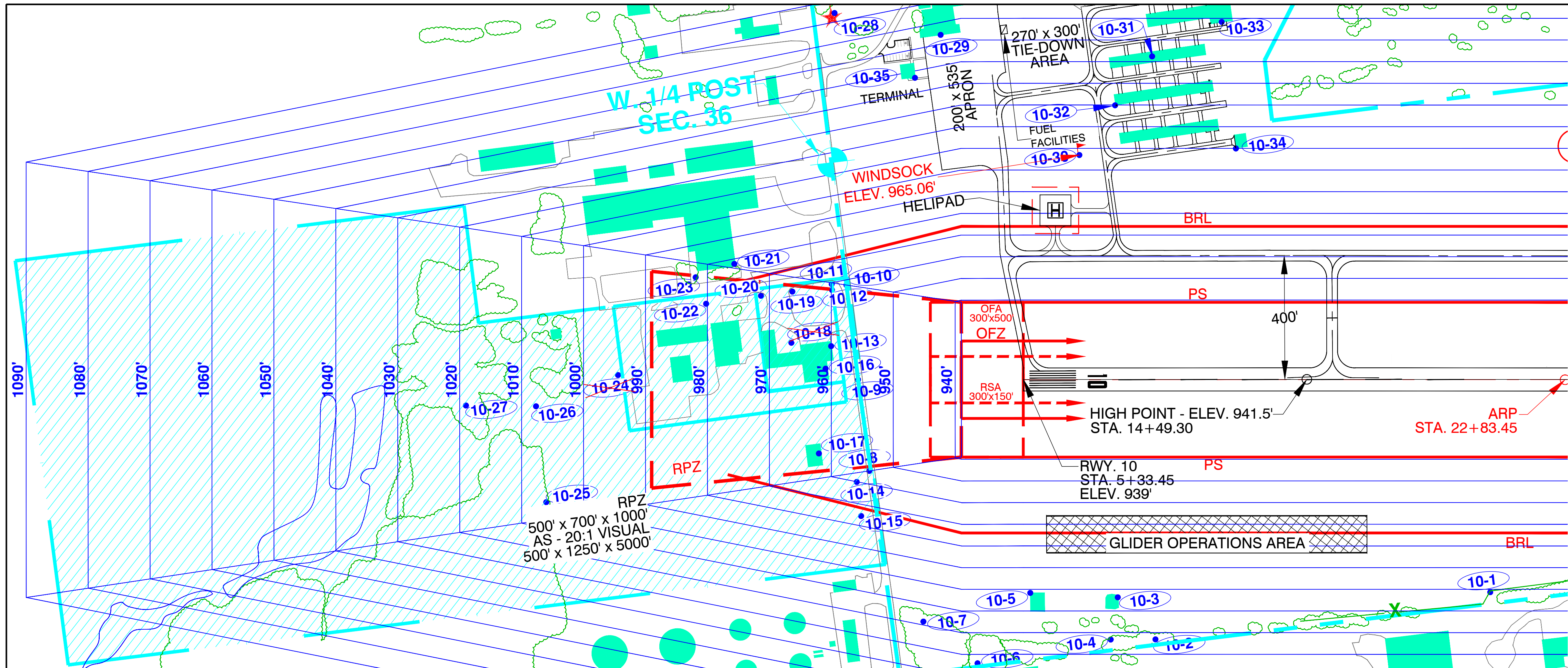
LEGEND	
---	PROPERTY LINE
---	RUNWAY PROTECTION ZONE (RPZ)
---	EXISTING PAVEMENT
///	AVIGATION EASEMENT

- NOTES:
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 - RUNWAY BEARING LISTED WAS PROVIDED BY THE MDOT MULTI-MODAL TRANSPORTATION SERVICES BUREAU.

NO.	DATE	REVISIONS	BY	CHK
6	5/21	AS-BUILT FOR TERMINAL BLDG	AEF	BJH
5	11/18	AS-BUILT FOR TREE CLEARING	BJH	AEF
4	11/15	AS-BUILT FOR FM 13-02-C21	BJH	AEF
2	10/05	AS-BUILT HELIPAD	AEF	SADW
1	8/04	MMTSB REVIEW	JSB	SADW

BROOKS FIELD MARSHALL, MICHIGAN	
AERIAL LAYOUT PLAN	
MEAD HUNT ENGINEERS ARCHITECTS SCIENTISTS PLANNERS	CAPITAL CITY AIRPORT 2400 E. AIRPORT SERVICE DRIVE LANSING, MICHIGAN 48206 (313) 561-0000 (313) 561-1800 FAX
	APPROVED
	DESIGNED: SADW 7/02 DRAWN: JSB 5/03 CHECKED: SADW 6/03
	SHEET 5 OF 12

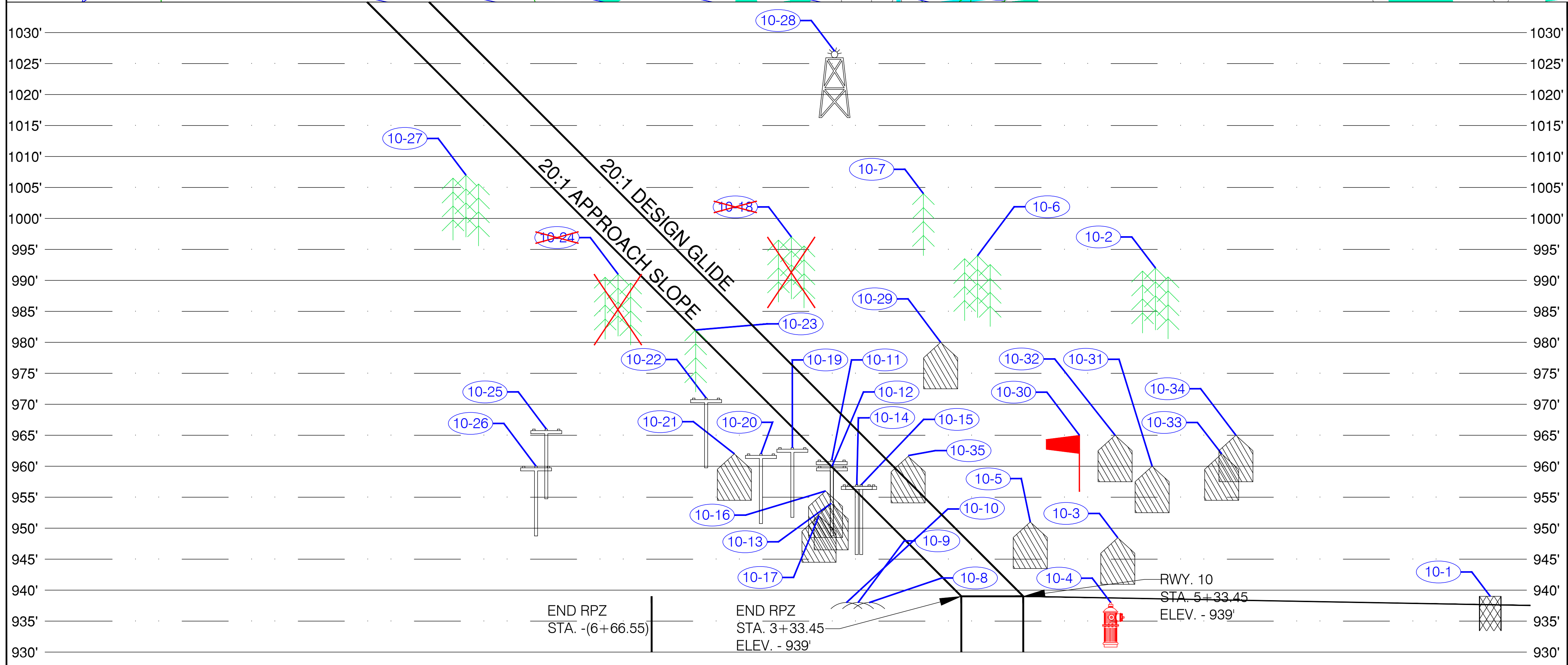
DRAWING NAME	FILE NUMBER
13-2_Aerial	13-2



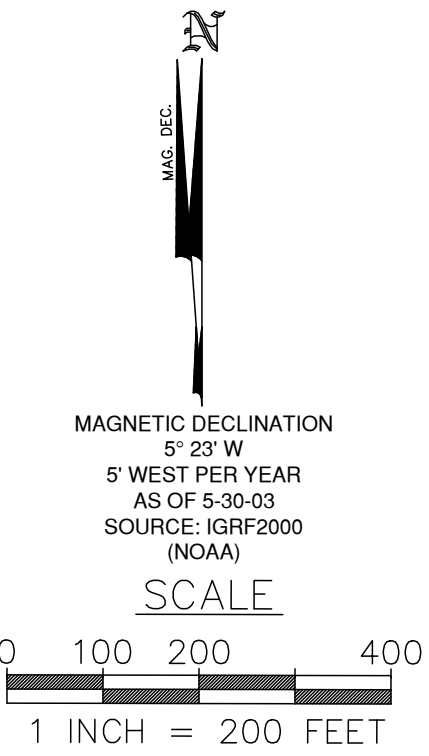
OBSTRUCTION INFORMATION		
#/S	DESCRIPTION	ELEVATION
10-1	FENCE	939'
10-2	TREES	992'
10-3	HANGAR	948'
10-4	HYDRANT-VALVE	938'
10-5	BUILDING	951'
10-6	TREES	994'
10-7	TREE	1004'
10-8	ROAD / AS	938'
10-9	ROAD / CENTERLINE	938'
10-10	ROAD / AS	938'
10-11	POWER POLE	961'
10-12	POWER POLE	960'
10-13	BUILDING	954'
10-14	POWER POLE	957'
10-15	POWER POLE	957'
10-16	BUILDING	956'
10-17	BUILDING	952'
10-18	TREES	987'
10-19	POWER POLE	963'
10-20	POWER POLE	962'
10-21	BUILDING	962'
10-22	POWER POLE	971'

OBSTRUCTION INFORMATION		
#/S	DESCRIPTION	ELEVATION
10-23	TREE	982'
10-24	TREES	991'
10-25	POWER POLE	966'
10-26	POWER POLE	960'
10-27	TREES	1007'
10-28	BEACON	1027'
10-29	BUILDING	980'
10-30	WINDSOCK	965'
10-31	HANGAR	960'
10-32	T-HANGAR	965'
10-33	HANGAR	962'
10-34	BOX HANGAR	965'
10-35	BUILDING	962'

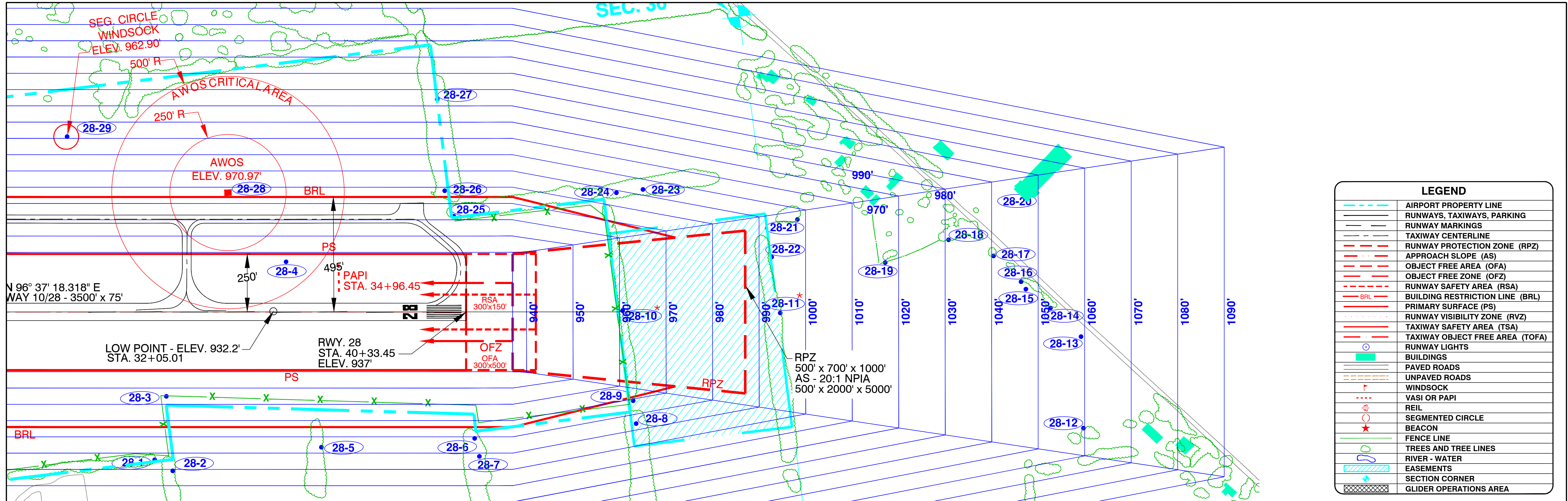
NOTES
1) OBSTRUCTION 10-18 AND 10-24 REMOVED FROM EXISTING RUNWAY 10 APPROACH AS INITIATED BY THE CITY OF MARSHALL AND 11-1-18 INFORMATION PROVIDED BY AIRPORT MANAGER.



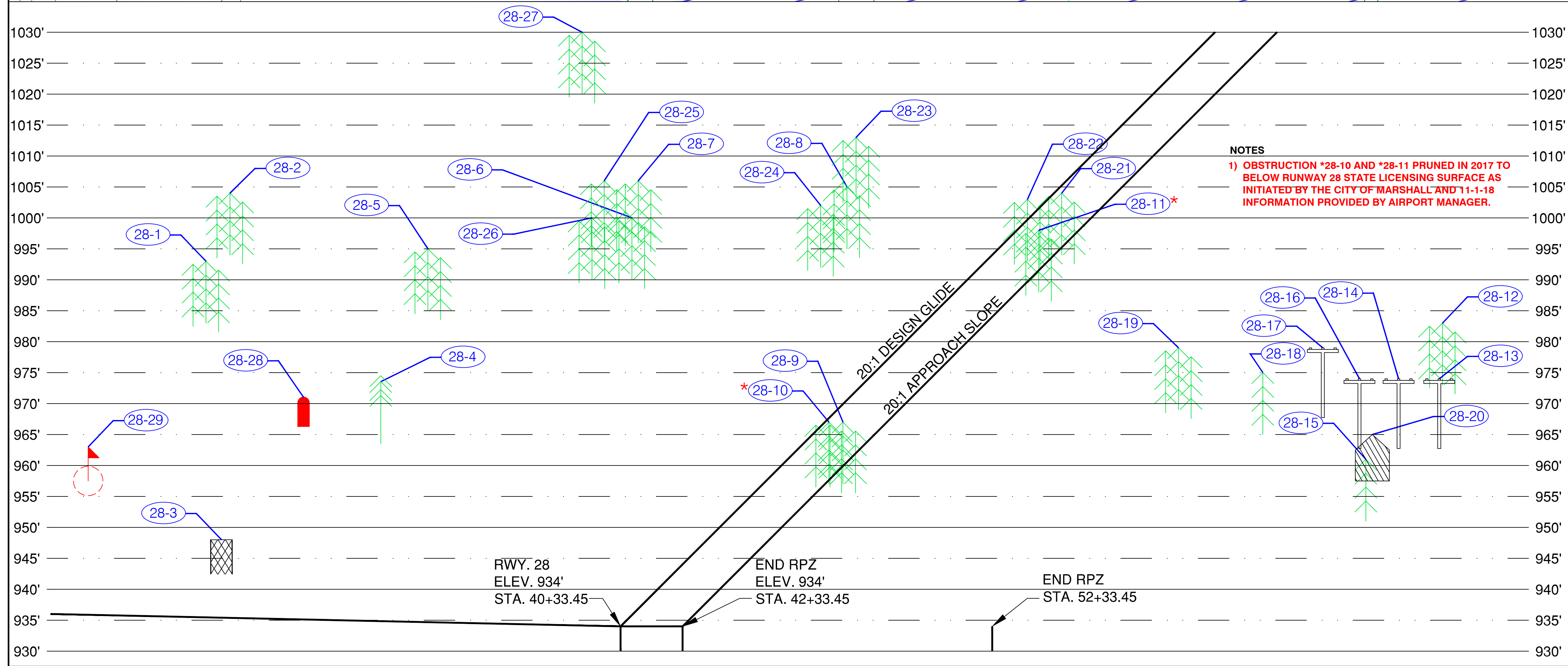
LEGEND	
	AIRPORT PROPERTY LINE
	RUNWAYS, TAXIWAYS, PARKING
	RUNWAY MARKINGS
	TAXIWAY CENTERLINE
	RUNWAY PROTECTION ZONE (RPZ)
	APPROACH SLOPE (AS)
	OBJECT FREE AREA (OFA)
	OBJECT FREE ZONE (OFZ)
	RUNWAY SAFETY AREA (RSA)
	BUILDING RESTRICTION LINE (BRL)
	PRIMARY SURFACE (PS)
	RUNWAY VISIBILITY ZONE (RVZ)
	TAXIWAY SAFETY AREA (TSA)
	TAXIWAY OBJECT FREE AREA (TOFA)
	RUNWAY LIGHTS
	BUILDINGS
	PAVED ROADS
	UNPAVED ROADS
	WINDSOCK
	VASI OR PAPI
	REIL
	SEGMENTED CIRCLE
	BEACON
	FENCE LINE
	TREES AND TREE LINES
	RIVER - WATER
	EASEMENTS
	SECTION CORNER
	GLIDER OPERATIONS AREA



BROOKS FIELD MARSHALL, MICHIGAN			
EXISTING RUNWAY 10 APPROACH			
6	5/21	AS-BUILT FOR TERMINAL BLDG	AEF BJH
5	11/18	AS-BUILT FOR TREE CLEARING	BJH AEF
4	11/15	AS-BUILT FOR FM 13-02-C21	BJH AEF
3	1/10	AS-BUILT FOR FM 13-02-C17	AEF SADW
2	10/05	AS-BUILT HELIPAD	AEF SADW
1	8/04	MMTSB REVIEW	JSB SADW
NO.	DATE	REMARKS	BY CHK
REVISIONS			
APPROVED			
STERHANE A.D. WARD, AICP			
DATE			
DESIGNED	SADW	7/02	
DRAWN	JSB	5/03	
CHECKED	SADW	6/03	
SHEET 7 OF 12			
DRAWING NAME	13-2_Ex-10 App	FILE NUMBER	13-2



LEGEND	
	AIRPORT PROPERTY LINE
	RUNWAYS, TAXIWAYS, PARKING
	RUNWAY MARKINGS
	TAXIWAY CENTERLINE
	RUNWAY PROTECTION ZONE (RPZ)
	APPROACH SLOPE (AS)
	OBJECT FREE AREA (OFA)
	OBJECT FREE ZONE (OFZ)
	RUNWAY SAFETY AREA (RSA)
	BUILDING RESTRICTION LINE (BRL)
	PRIMARY SURFACE (PS)
	RUNWAY VISIBILITY ZONE (RVZ)
	TAXIWAY SAFETY AREA (TSA)
	TAXIWAY OBJECT FREE AREA (TOFA)
	RUNWAY LIGHTS
	BUILDINGS
	PAVED ROADS
	UNPAVED ROADS
	WINDSOCK
	VASI OR PAPI
	REIL
	SEGMENTED CIRCLE
	BEACON
	FENCE LINE
	TREES AND TREE LINES
	RIVER - WATER
	EASEMENTS
	SECTION CORNER
	GLIDER OPERATIONS AREA



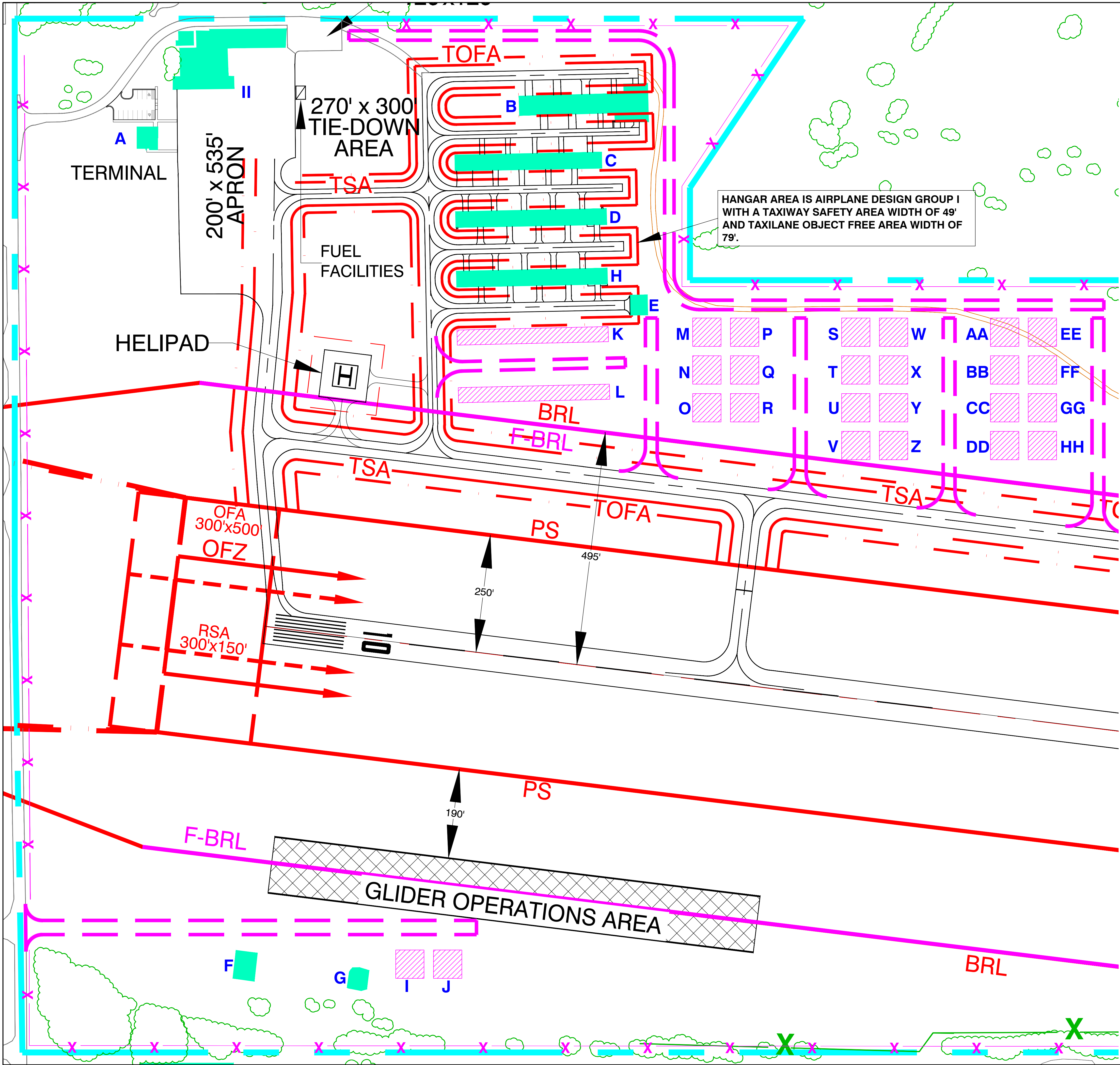
NOTES
1) OBSTRUCTION *28-10 AND *28-11 PRUNED IN 2017 TO BELOW RUNWAY 28 STATE LICENSING SURFACE AS INITIATED BY THE CITY OF MARSHALL AND *11-1-18 INFORMATION PROVIDED BY AIRPORT MANAGER.

OBSTRUCTION INFORMATION		
#S	DESCRIPTION	ELEVATION
28-1	TREES	993'
28-2	TREES	1004'
28-3	FENCE	948'
28-4	TREE	NA
28-5	TREES	995'
28-6	TREES	1000'
28-7	TREES	1006'
28-8	TREES	1005'
28-9	TREES	967'
*28-10	TREES	967'
*28-11	TREES	998'
28-12	TREES	983'
28-13	POWER POLE	974'
28-14	POWER POLE	974'
28-15	TREE	961'
28-16	POWER POLE	974'
28-17	POWER POLE	979'
28-18	TREE	975'
28-19	TREES	979'
28-20	BUILDING	965'
28-21	TREES	1004'
28-22	TREES	1003'

OBSTRUCTION INFORMATION		
#S	DESCRIPTION	ELEVATION
28-23	TREES	1013'
28-24	TREES	1002'
28-25	TREES	1006'
28-26	TREES	1000'
28-27	TREES	1030'
28-28	AWOS	971'
28-29	SEG. CIRCLE	963'

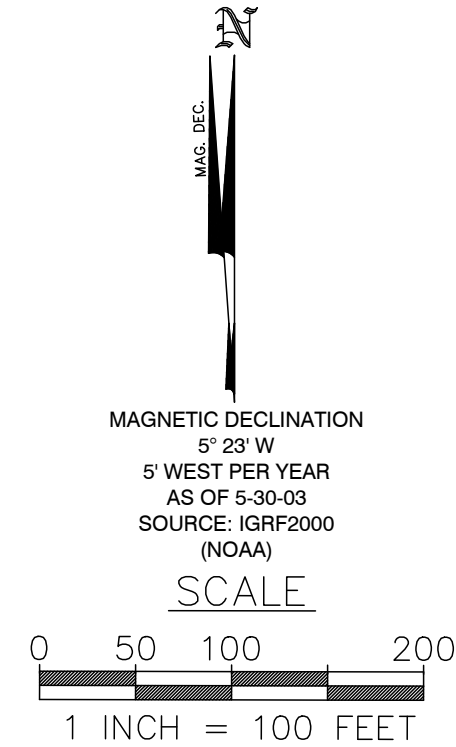


				BROOKS FIELD MARSHALL, MICHIGAN					
				EXISTING RUNWAY 28 APPROACH					
				MEAD HUNT		ENGINEERS ARCHITECTS SCIENTISTS PLANNERS		CAPITAL CITY AIRPORT 2600 E. AIRPORT SERVICE DRIVE LANSING, MICHIGAN 48206 (313) 341-6234 (313) 341-6052 FAX	
				APPROVED		DESIGNED		SADW 7/02	
5 11/18 AS-BUILT FOR TREE CLEARING				BJH AEF		DRAWN		JSB 5/03	
1 8/04 MMTS REVIEW				JSB SADW		CHECKED		SADW 6/03	
NO.		DATE		REMARKS		BY		CHK	
REVISIONS									
STEPHANIE AD. WARD, AICP									
DATE									
SHEET								8 OF 12	



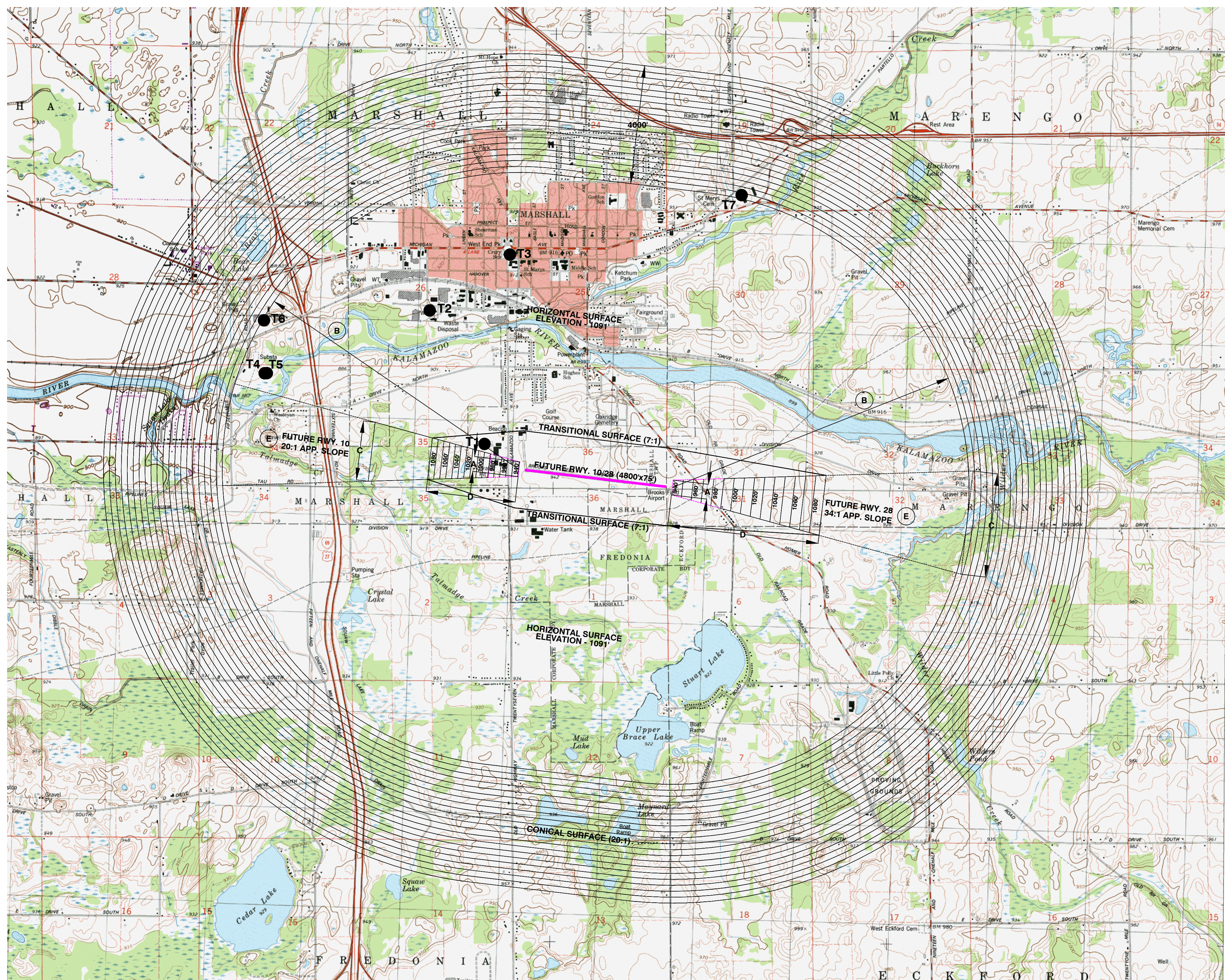
EXISTING		
	BUILDING	ELEVATION
A	TERMINAL	962'
B	T-HANGAR	962'
C	T-HANGAR	960'
D	T-HANGAR	965'
E	BOX HANGAR	965'
F	BOX HANGAR	951'
G	HANGAR	948'
H	T-HANGAR	NA
II	HANGAR	980'

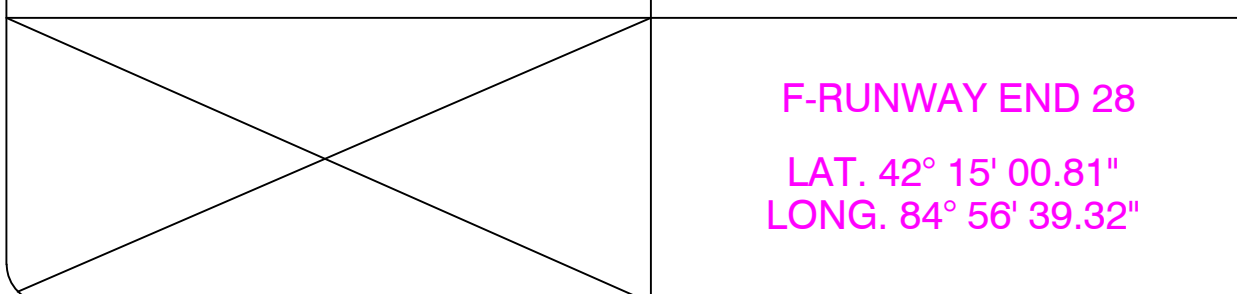
FUTURE		
	BUILDING	ELEVATION
I	BOX HANGAR	NA
J	BOX HANGAR	NA
K	T-HANGAR	NA
L	T-HANGAR	NA
M	BOX HANGAR	NA
N	BOX HANGAR	NA
O	BOX HANGAR	NA
P	BOX HANGAR	NA
Q	BOX HANGAR	NA
R	BOX HANGAR	NA
S	BOX HANGAR	NA
T	BOX HANGAR	NA
U	BOX HANGAR	NA
V	BOX HANGAR	NA
W	BOX HANGAR	NA
X	BOX HANGAR	NA
Y	BOX HANGAR	NA
Z	BOX HANGAR	NA
AA	BOX HANGAR	NA
BB	BOX HANGAR	NA
CC	BOX HANGAR	NA
DD	BOX HANGAR	NA
EE	BOX HANGAR	NA
FF	BOX HANGAR	NA
GG	BOX HANGAR	NA
HH	BOX HANGAR	NA

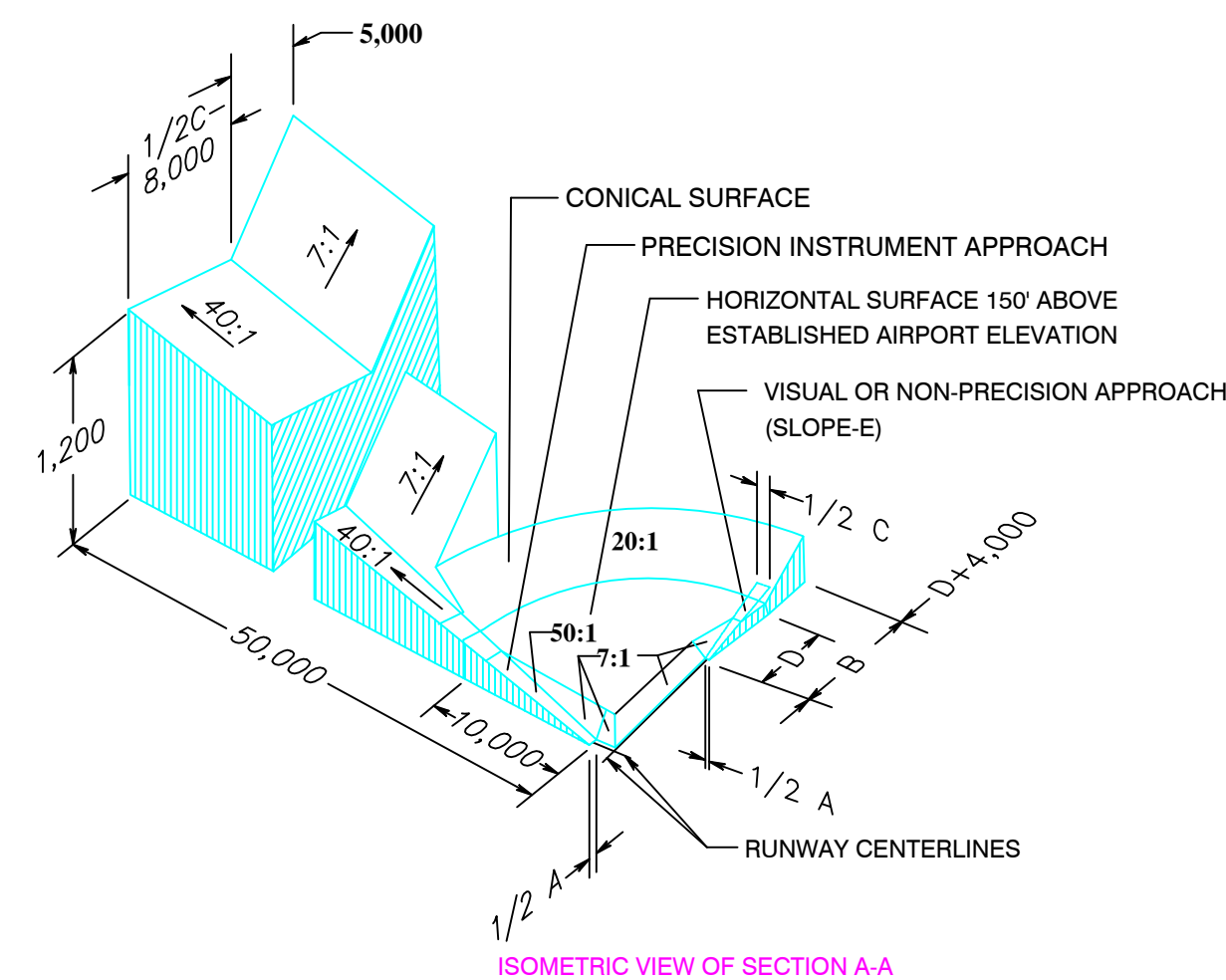


LEGEND	
	AIRPORT PROPERTY LINE
	RUNWAYS, TAXIWAYS, PARKING
	F-PAVEMENT
	RUNWAY MARKINGS
	TAXIWAY CENTERLINE
	RUNWAY PROTECTION ZONE (RPZ)
	APPROACH SLOPE (AS)
	OBJECT FREE AREA (OFA)
	OBJECT FREE ZONE (OFZ)
	RUNWAY SAFETY AREA (RSA)
	BUILDING RESTRICTION LINE (BRL)
	PRIMARY SURFACE (PS)
	RUNWAY VISIBILITY ZONE (RVZ)
	TAXIWAY SAFETY AREA (TSA)
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	RUNWAY LIGHTS
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	PAVED ROADS
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	TREES AND TREE LINES
	RIVER - WATER
	EASEMENTS
	SECTION CORNER
	GLIDER OPERATIONS AREA

BROOKS FIELD MARSHALL, MICHIGAN			
EXISTING AND FUTURE BUILDING SHEET			
		DESIGNED: SADW 7/02	
APPROVED		DRAWN: JSB 5/03	
STEPHANIE A.D. WARD, ACP		CHECKED: SADW 6/03	
DATE		DATE	
REVISIONS		SHEET 11 OF 12	
NO.	DATE	REVISIONS	BY
4	5/01	AS-BUILT FOR TERMINAL BLDG	AEF
3	11/15	AS-BUILT FOR FM 13-02 C21	BLH
2	1/10	AS-BUILT FOR FM 13-02 C17	AEF
1	10/05	AS-BUILT HELIPAD	AEF



EX-RUNWAY END 10 LAT. 42° 15' 6.28" LONG. 84° 57' 42.72"	EX-RUNWAY END 28 LAT. 42° 15' 2.30" LONG. 84° 56' 56.50"
	F-RUNWAY END 28 LAT. 42° 15' 00.81" LONG. 84° 56' 39.32"



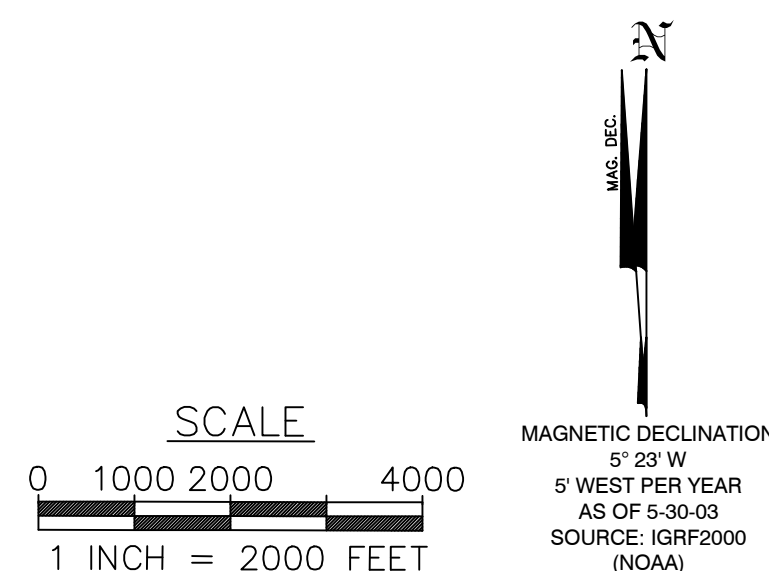
FAA PART 77 APPROACH SURFACE DIMENSIONS					
DIM	ITEM	EX-10	EX-28	F-10	F-28
A	WIDTH OF PRIMARY SURFACE	500'	500'	500'	500'
B	RADIUS OF HORIZONTAL SURFACE	5000'	5000'	5000'	10000'
C	APPROACH SURFACE END WIDTH	2000'	2000'	2000'	3500'
D	APPROACH SURFACE LENGTH	5000'	5000'	5000'	10000'
E	APPROACH SLOPE	20:1	20:1	20:1	34:1

OBJECTS WITHIN PART 77 SURFACE				
OBJECT	LATITUDE	LONGITUDE	AGL	MSL
T1 - TOWER	42° 15' 12.54"	84° 58' 27.93"	38'	975'
T2 - ANTENNA	42° 15' 19.15"	84° 58' 24.93"	184'	1079'
T3 - TOWER	42° 16' 16.15"	84° 57' 49.93"	120'	1032'
T4 - TOWER	42° 15' 37.20"	84° 59' 39.90"	216'	1103'
T5 - TOWER	42° 15' 37.20"	84° 59' 38.90"	212'	1090'
T6 - TOWER	42° 16' 55.15"	84° 59' 36.57"	181'	1091'
T7 - TOWER	42° 16' 36.65"	84° 56' 38.37"	180'	1090'

OBJECTS LOCATED WITH THE USE OF PRINTOUT PROVIDED BY MDOT BUREAU OF AERONAUTICS DATED 12/18/88 FROM THE DIGITAL OBSTACLE FILE ISSUED BY NOAA

MEAD & HUNT AND MDOT BUREAU OF AERONAUTICS ARE NOT RESPONSIBLE FOR THE ACCURACY OF THE NOAA DATABASE. THE DATABASE MAY NOT BE INCLUSIVE OF ALL OBSTACLES WITHIN THE PART 77 SURFACES SHOWN.

SECTIONAL CHARTS & THE FAA SHOULD BE REFERENCED FOR ADDITIONAL INFORMATION DUE TO THE CONTINUED PROLIFERATION OF TOWERS AND ASSOCIATED OBSTACLES.



						BROOKS FIELD MARSHALL, MICHIGAN							
						FAR PART 77							
						MEAD & HUNT ENGINEERS ARCHITECTS SCIENTISTS PLANNERS CAPITAL CITY AIRPORT 2000 E. AIRPORT SERVICE DRIVE LANDING, MICHIGAN 4900 (617) 351-8304 (617) 351-1902 FAX							
						APPROVED				DESIGNED		SADW	7/02
										DRAWN		JSB	5/03
1						8/04		MMTSB REVIEW		JSB	SADW		
NO.		DATE		REMARKS		BY		CHK.		CHECKED		SADW	6/03
REVISIONS													
STEPHANIE A.D. WARD, AICP										DATE		SHEET 12 OF 12	
DRAWING NAME				13-2_Part-77				FILE NUMBER				13-2	