

AIRPORT LAYOUT PLAN FOR

MOBRIDGE MUNICIPAL AIRPORT

MOBRIDGE, SOUTH DAKOTA

OCTOBER, 2005

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FAA APPROVAL LETTER



ENGINEERS CERTIFICATION	SPONSORS APPROVAL	A.I.P. APPROVALS	OFFICE OF AIR, RAIL AND TRANSIT	
I HEREBY CERTIFY THAT TO THE BEST OF MY PROFESSIONAL ABILITY THESE PLANS AND SPECIFICATIONS WERE DEVELOPED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH ALL APPLICABLE FEDERAL STANDARDS AND REQUIREMENTS AND NO DEVIATIONS, TOLERANCES OR MODIFICATIONS TO STANDARDS SET FORTH IN THE FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULARS WILL BE NECESSARY OTHER THAN THOSE PREVIOUSLY APPROVED BY F.A.A. EXCEPT FOR THOSE LISTED ON PAGE 2 OF THIS A.I.P. TERRY D. HELMS P.E. SD REG. NO. 2647 HELMS AND ASSOCIATES DATE <u>1-20-07</u>	CITY OF MOBRIDGE I HEREBY APPROVE THESE PROJECT PLANS AND SPECIFICATIONS, CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER THAT THEY HAVE BEEN DEVELOPED TO THE BEST OF HIS PROFESSIONAL ABILITY IN ACCORDANCE WITH FEDERAL STANDARDS AND NO DEVIATIONS FROM OR MODIFICATIONS TO STANDARDS AS SET FORTH IN FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULARS WILL BE NECESSARY OTHER THAN THOSE PREVIOUSLY APPROVED BY THE F.A.A. EXCEPT FOR THOSE LISTED ON PAGE 2 OF THIS A.I.P. MAYOR <u>[Signature]</u> DATE <u>2/5/07</u>	FEDERAL AVIATION ADMINISTRATION CONDITIONALLY APPROVAL SUBJECT TO LETTER DATED <u>Aug 11, 2015</u> F.A.A. DISTRICT OFFICE BISMARCK, NORTH DAKOTA <u>[Signature]</u> DATE <u>5-11-2015</u> A.I.P. APPROVAL A.I.P. AIRSPACE APPROVAL DATE <u>February 9, 2012</u> <u>[Signature]</u> DATE <u>04-06-2012</u>	ACCEPTED SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION OFFICE OF AIR, RAIL AND TRANSIT BRUCE LINDHOLM, P.E. <u>[Signature]</u> OFFICE OF AERONAUTICS DIVISION OF AIR, RAIL, AND TRANSIT TO THE DIVISION OF FISCAL AND PUBLIC ASSISTANCE DATE: <u>2/12/15</u>	HELMS and ASSOCIATES CONSULTING ENGINEERS AND LAND SURVEYORS 201 CROSS COUNTRY ROAD HWY 16, MOBRIDGE, SOUTH DAKOTA 57450 PHONE: (605) 835-1111 FAX: (605) 835-1111 COVER SHEET MOBRIDGE MUNICIPAL AIRPORT MOBRIDGE, SOUTH DAKOTA Drawn By: <u>WDC</u> CMT By: <u>TSB</u> PLOT # <u>A-3883</u> DWG. <u>3883-01</u> DATE <u>10/2/05</u> 1 of 12

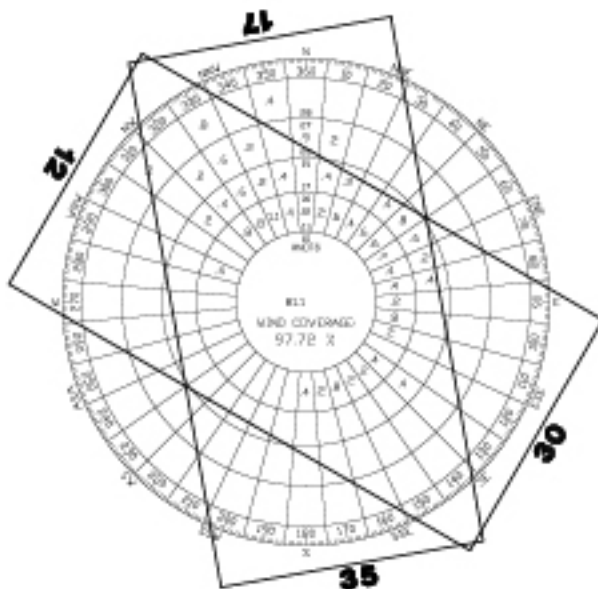


VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

MORRIDGE
SOUTH DAKOTA

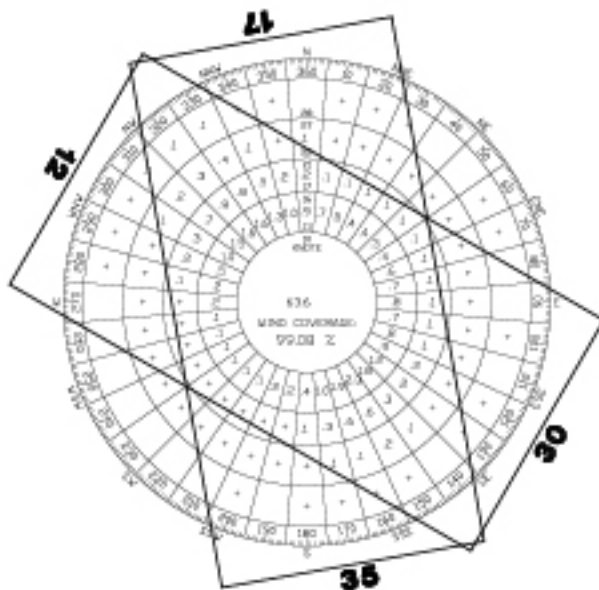


IFR WEATHER - 538 OBSERVATIONS

IFR WEATHER WINDROSE 13 KNOTS

RUNWAY	10-15 KNOTS	15-20 KNOTS	20-25 KNOTS	25-30 KNOTS
12 - 30	88.40%	52.78%	95.91%	96.47%
17 - 35	93.21%	95.85%	98.13%	99.72%
COMBINED	90.08%	91.72%	97.07%	98.09%

IFR - 538 OBSERVATIONS
WIND DATA FROM MORRIDGE, SD
JANUARY 1996 - DECEMBER 2008



ALL WEATHER - 7082 OBSERVATIONS

ALL WEATHER WINDROSE 13 KNOTS

RUNWAY	10-15 KNOTS	15-20 KNOTS	20-25 KNOTS	25-30 KNOTS
12 - 30	89.61%	54.55%	96.40%	99.80%
17 - 35	89.30%	94.35%	98.08%	99.51%
COMBINED	87.32%	90.80%	97.72%	99.65%

ALL WEATHER - 7082 OBSERVATIONS
WIND DATA FROM MORRIDGE, SD
WEATHER JANUARY 1996 - DECEMBER 2008

RUNWAY 12/30			RUNWAY 17/35		
EXISTING	FUTURE	ULTIMATE	ITEM	EXISTING	ULTIMATE
4' & 8' - 1000'	4' & 8' - 1000'	4' & 8' - 400'	APPROACH CATEGORY AND DESIGN SPEED	4' & 8' - 1000'	4' & 8' - 1000'
1000' X 100'	4400' X 75'	5500' X 15'	RUNWAY DIMENSIONS (LENGTH X WIDTH)	2004' X 120'	2000' X 120'
1000'	4400'	5500'	STREETING (GRANITE) NO.	1000'	1000'
1000'	4400'	5500'	PAYMENT STRENGTH (PSI) ASPHALT	1000'	1000'
1000'	4400'	5500'	APPROACH ROBUSTNESS (RUBBER)	1000'	1000'
1000'	4400'	5500'	RUNWAY THRESHOLD DISPLACEMENT	1000'	1000'
1000'	4400'	5500'	RUNWAY STOPWAY/CLEARWAY (LENGTH X WIDTH)	1000'	1000'
1000'	4400'	5500'	PART 17 APPROACH SURFACE	1000'	1000'
1000'	4400'	5500'	APPENDIX 2 DEPARTURE SURFACE	1000'	1000'
1000'	4400'	5500'	RUNWAY SAFETY AREA (LENGTH X WIDTH)	1000'	1000'
1000'	4400'	5500'	CRUISE FREE AREA (LENGTH X WIDTH)	1000'	1000'
1000'	4400'	5500'	RUNWAY/TAXIWAY LIGHTING	1000'	1000'
1000'	4400'	5500'	RUNWAY APPROACH LIGHTING	1000'	1000'
1000'	4400'	5500'	RUNWAY AND TAXIWAY MARKING	1000'	1000'
1000'	4400'	5500'	LANDING SURFACE TYPE	1000'	1000'
1000'	4400'	5500'	NAVIGATION AIDS (VISUAL)	1000'	1000'
1000'	4400'	5500'	NAVIGATION AIDS (ELECTRONIC)	1000'	1000'

AIRPORT DATA TABLE

EXISTING/FUTURE	ITEM	ULTIMATE
GENERAL AVIATION/UTILITY	SERVICE LEVEL	GENERAL AVIATION/UTILITY
1714.64	AIRPORT ELEVATION	1714.64
45°32'45.63" N	45°32'45.63" N	45°32'45.63" N
100°24'11.617" W	100°24'11.617" W	100°24'11.617" W
85° JULY	MEAN WIND TEMP. - HOTTEST MONTH	85° JULY
ASOS	ON SITE WEATHER INDICATOR	ASOS
100/130 MI. SPEC. LL. AIR GAS BLUE, JET A	FUEL TOLERANCE	100/130 MI. SPEC. LL. AIR GAS BLUE, JET A
WIND SOOK AND DEACON	TERMINAL MAGNETIC AIDS	WIND SOOK AND DEACON
7' 10', 2005	MAGNETIC DEVIATION	7' 10', 2005

DEVIATIONS TO AIRPORT STANDARDS

L	NONE						
RUNWAY ENDS LATITUDE AND LONGITUDE							
RUNWAY END EXISTING		RUNWAY END ULTIMATE		TDZ RUNWAY END EXISTING		TDZ RUNWAY END ULTIMATE	
12	LAT. 45°32'50.380" LONG. 100°24'11.617"	12	LAT. 45°32'50.380" LONG. 100°24'11.617"	17	LAT. 45°32'34.443" LONG. 100°24'11.617"	17	LAT. 45°32'34.443" LONG. 100°24'11.617"
30	LAT. 45°32'52.380" LONG. 100°24'11.617"	30	LAT. 45°32'52.380" LONG. 100°24'11.617"	35	LAT. 45°32'37.794" LONG. 100°24'11.617"	35	LAT. 45°32'37.794" LONG. 100°24'11.617"

RUNWAY TDZ LATITUDE AND LONGITUDE

RUNWAY 12 END TOUCH DOWN ZONE (EX/ULT) ELEVATION = 1714.64	LAT. 45°32'50.380"
	LONG. 100°24'11.617"
RUNWAY 30 END TOUCH DOWN ZONE (EX) ELEVATION = 1714.64	LAT. 45°32'34.443"
	LONG. 100°24'11.617"
RUNWAY 30 END TOUCH DOWN ZONE (JLT) ELEVATION = 1714.64	LAT. 45°32'52.380"
	LONG. 100°24'11.617"
RUNWAY 17 END TOUCH DOWN ZONE (EX/ULT) ELEVATION = 1714.64	LAT. 45°32'50.380"
	LONG. 100°24'11.617"
RUNWAY 35 END TOUCH DOWN ZONE (EX) ELEVATION = 1714.64	LAT. 45°32'50.380"
	LONG. 100°24'11.617"
RUNWAY 35 END TOUCH DOWN ZONE (JLT) ELEVATION = 1714.64	LAT. 45°32'50.380"
	LONG. 100°24'11.617"

CONTROL MONUMENTS

NO.	DESCRIPTION	LOCATION	ELEVATION
MON	CONTROL POINT	45°32'45.630" N 100°24'11.617" W	1689.71
CP1	CONTROL POINT	45°32'52.380" N 100°24'11.617" W	1689.71
CP2	CONTROL POINT	45°32'34.443" N 100°24'11.617" W	1689.79
CP3	CONTROL POINT	45°32'50.380" N 100°24'11.617" W	1689.90
CP4	CONTROL POINT	45°32'50.380" N 100°24'11.617" W	1689.90

SEE PLAN SHEET, 3 OF 12, FOR LOCATIONS

HORIZONTAL DATUM = NAD 83
VERTICAL DATUM = NAVD 88

HELMES and ASSOCIATES
CONSULTING ENGINEERS AND LAND SURVEYORS
P.O. BOX 171 - 221 SOUTH STREET, SUITE 201
MORRIDGE, SOUTH DAKOTA 57056 - PHONE: (605) 221-1212 - FAX: (605) 221-1212

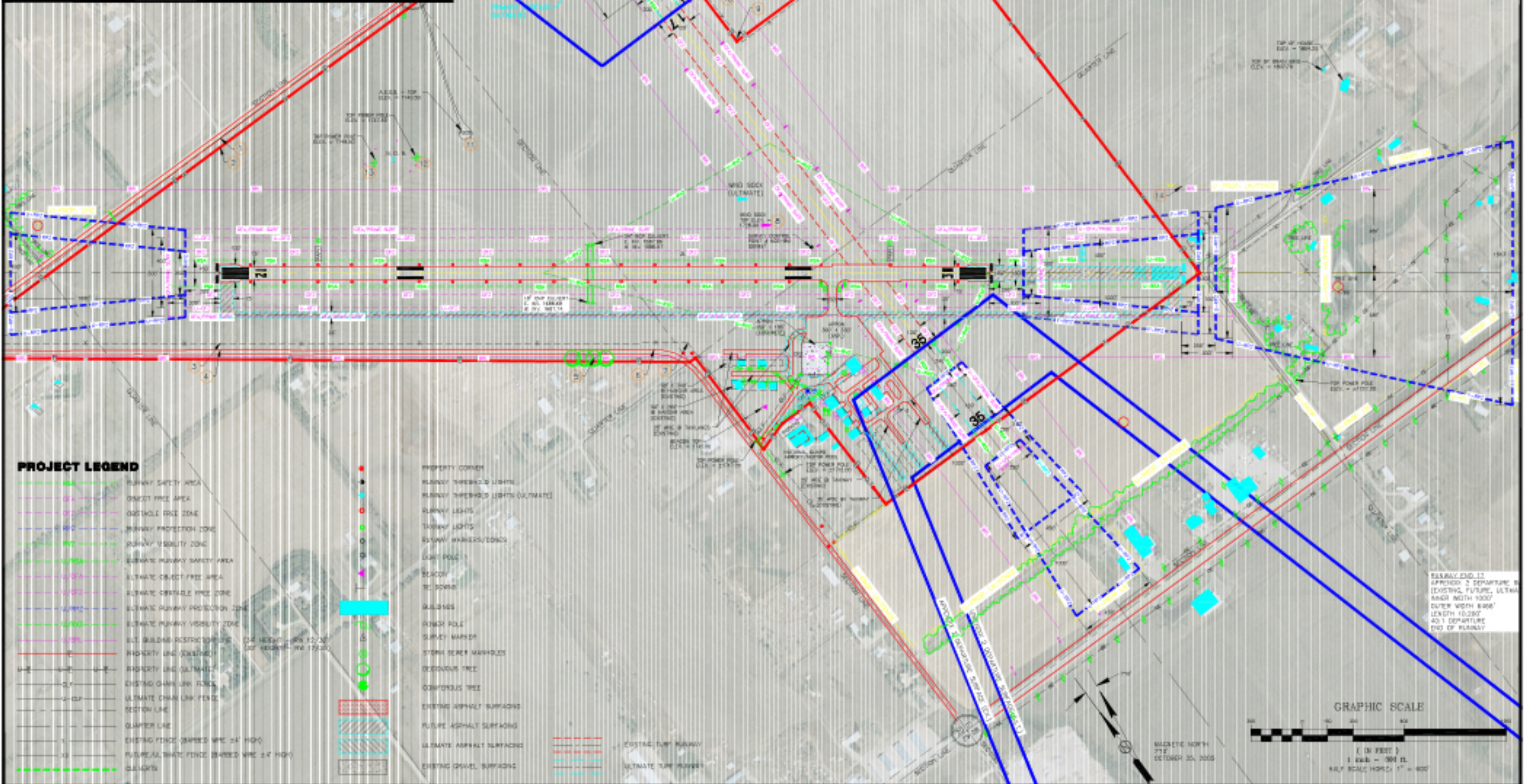
AIRPORT DATA SHEET

MORRIDGE MUNICIPAL AIRPORT
MORRIDGE, SOUTH DAKOTA

SCHEDULE OF OBSTRUCTIONS									
KEY	DESCRIPTION/REMARKS	TOP ELEVATION	PRIMARY SURFACE	EXISTING/PLANNED	CONSTRUCTION	PRIMARY SURFACE	ULTIMATE	ULTIMATE	ULTIMATE
1	ASPH. ROAD	1327.9	500'	50.0' B	TO REMAIN				
2	FENCE	1329.3	500'	50.0' B	TO REMAIN				
3	FENCE	1334.0	500'	50.0' B	TO REMAIN				
4	ASPH. ROAD	1311.0	500'	50.0' B	TO REMAIN				
5	TREE ROW	1336.0	500'	50.0' A	RELOCATE				
6	ASPH. ROAD	1325.5	500'	50.0' B	TO REMAIN				
7	FENCE	1331.5	500'	50.0' B	TO REMAIN				
8	WIND SOCK	1325.8	500'	50.0' A	RELOCATE				
9	FENCE - RW 17/35	1321.3	500'	50.0' B	TO REMAIN				
10	FENCE - RW 17/35	1324.1	500'	50.0' B	TO REMAIN				
11	ANEM. WEATHER STATION	1340.5	500'	50.0' B	TO REMAIN				
12	H.S.B. POLE	1347.9	500'	50.0' B	TO REMAIN				
13	H.S.B. POLE	1342.5	500'	50.0' B	TO REMAIN				
14	FENCE	1318.4	500'	50.0' B	TO REMAIN				

A = ABOVE APPROACH SURFACE
B = BELOW APPROACH SURFACE

NOTE: REVISION TO OLD STANDARDS - HAS OBSTRUCTION LIGHTING
NOTE: REVISION TO OLD STANDARDS - REFERS TO REVISIONS IN THE FIELD



HELMs and ASSOCIATES
CONSULTING ENGINEERS AND LAND SURVEYORS

221 BROWN COUNTY HIGHWAY 401 - P.O. BOX 371
MCBRIDE, SOUTH DAKOTA 57454 - PHONE: (605) 233-1011 - FAX: (605) 233-1008

1. I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional engineer under the laws of the State of South Dakota.

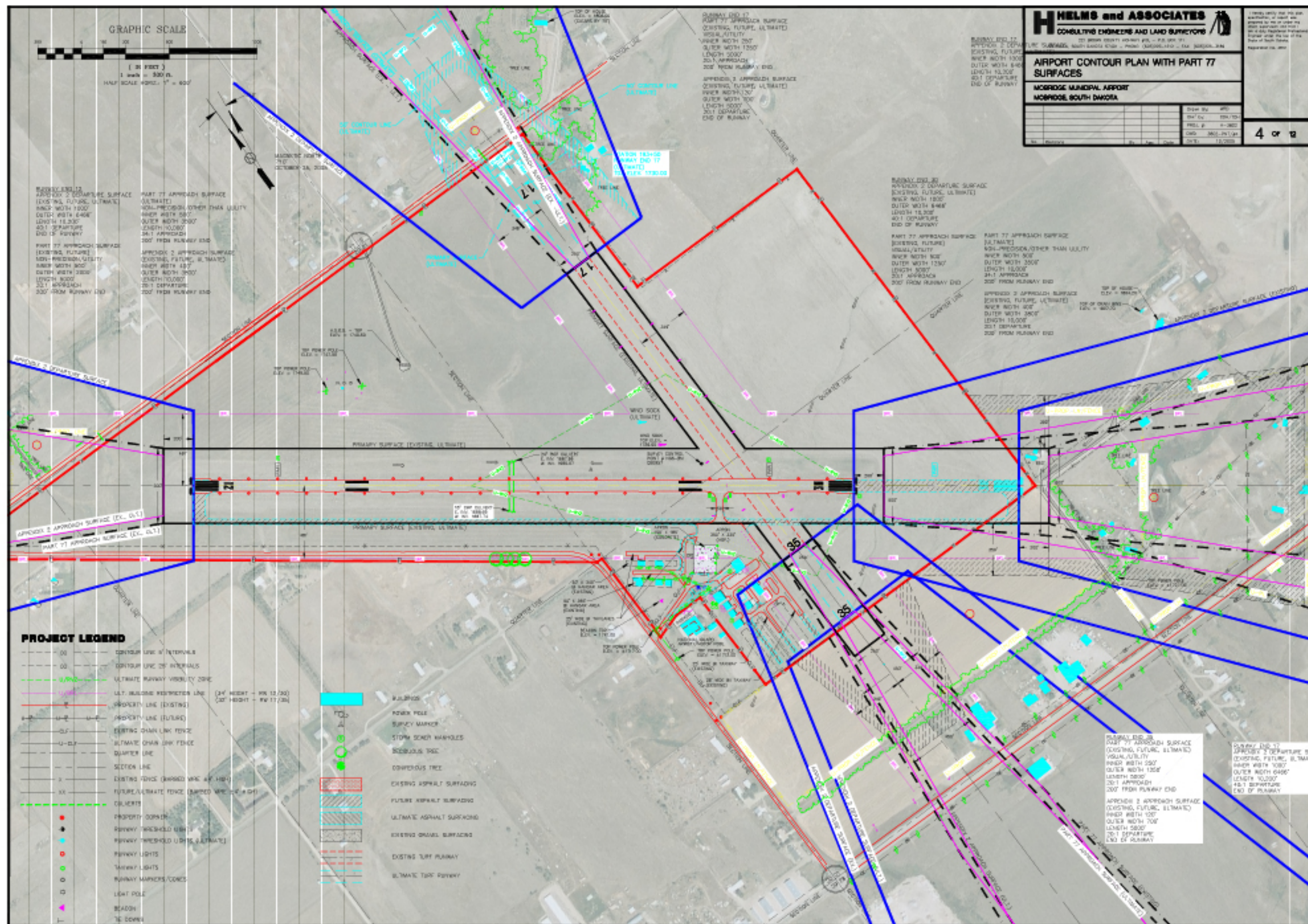
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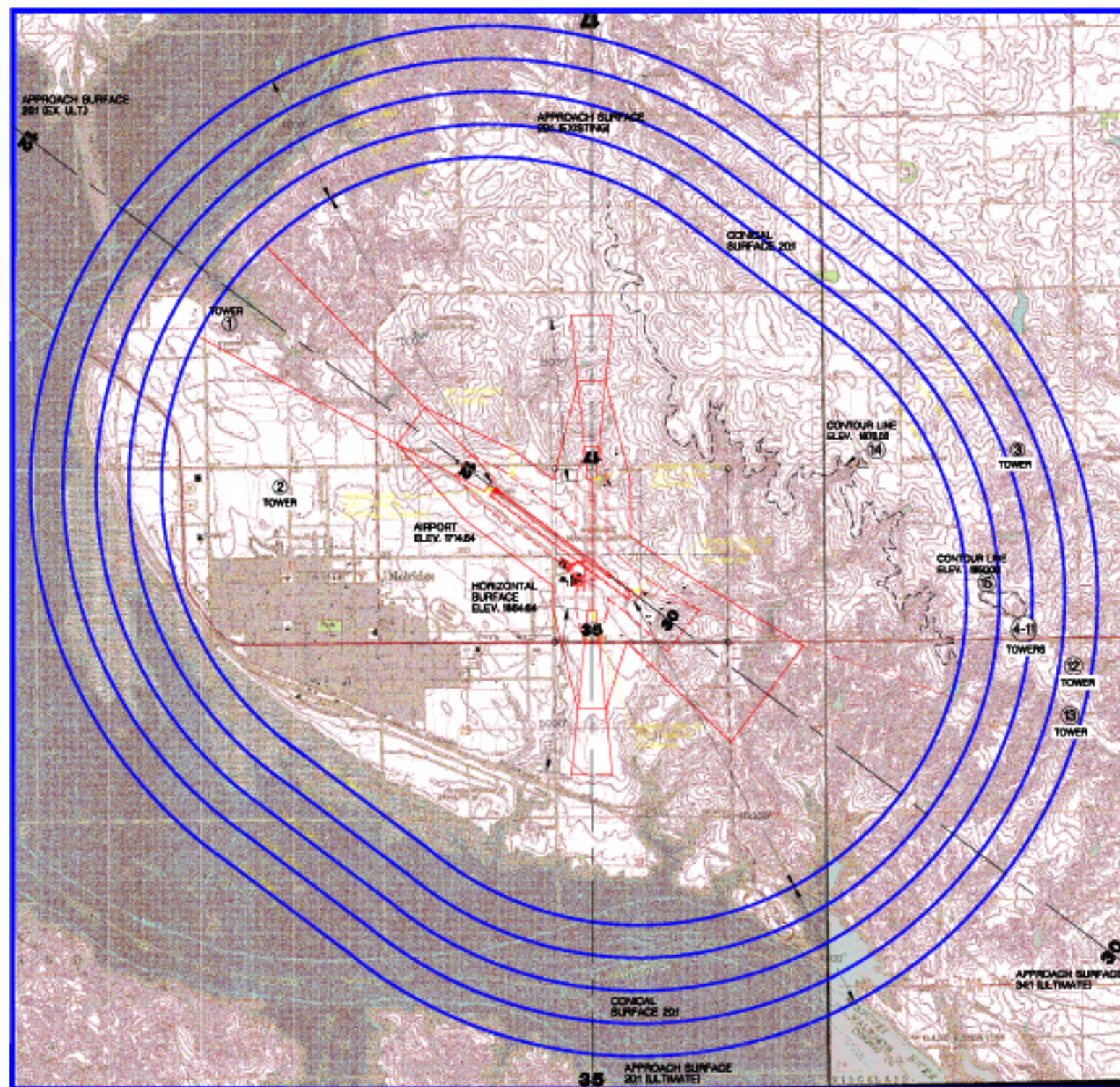
AIRPORT LAYOUT PLAN

MCBRIDE MUNICIPAL AIRPORT
MCBRIDE, SOUTH DAKOTA

Drawn By	AKC
Check By	CSH/TSM
Project No.	04-000100
Scale	3/8" = 1'-0"
Date	10/25/05

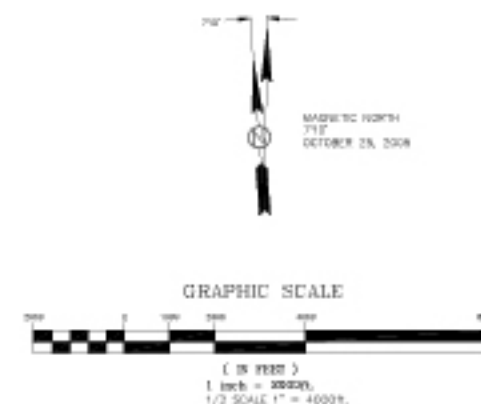
3 of 12



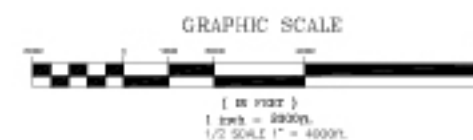
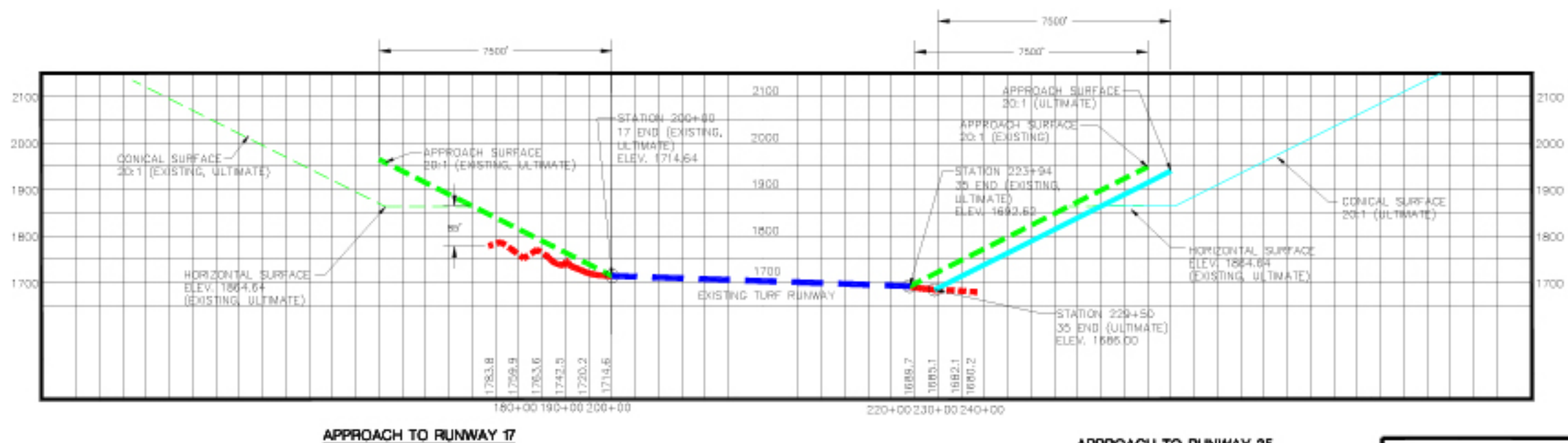
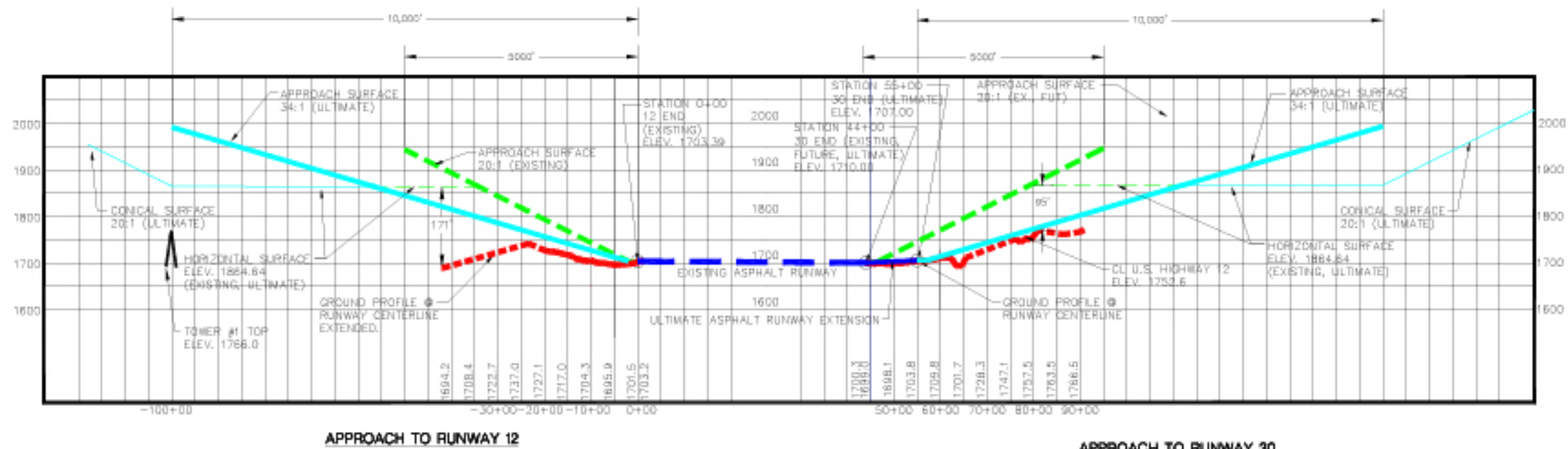


NUMBER	STRUCTURE TYPE	BASE ELEVATION	TOP ELEVATION	PENETRATES	REMARKS
①	TOWER S.D. CABLE TV	1691	1786		
②	TOWER S.D. CABLE TV	1691	1811		
③	TOWER S.D. CELLULAR CORP.	1870	2194	PENETRATES C.S. 204.0'	
④	TOWER NORTHWESTERN BELL	1920	1998	PENETRATES C.S. 39.0'	
⑤	ANTENNA TOWER BURLINGTON NORTHERN R.R.	1935	2035	PENETRATES C.S. 45.0'	
⑥	TOWER NORTHWESTERN BELL	1920	1980		
⑦	ANTENNA TOWER MONTANA-DAKOTA UTILITIES	1975	2190	PENETRATES C.S. 200.0'	
⑧	TOWER NORTHWESTERN BELL	1920	1980	PENETRATES C.S. 25.0'	
⑨	TOWER NORTHWESTERN BELL	1920	1998	PENETRATES C.S. 28.0'	
⑩	ANTENNA TOWER BURLINGTON NORTHERN R.R.	1935	2035	PENETRATES C.S. 65.0'	
⑪	ANTENNA TOWER MONTANA-DAKOTA UTILITIES	1975	2190	PENETRATES C.S. 200.0'	
⑫	TOWER MOBRIDGE BROADCASTING CORP.	1950	2403	PENETRATES C.S. 350.0'	
⑬	TOWER VERSTON WBO CBS/COMMET	1957	2219	PENETRATES C.S. 195.0'	
⑭	CONTOUR LINE ELEV. 1870.00	1870 THRU 1923		PENETRATES H.S. 58.0'	
⑮	CONTOUR LINE ELEV. 1990.00	1990 THRU 1970		PENETRATES C.S. 39.0'	

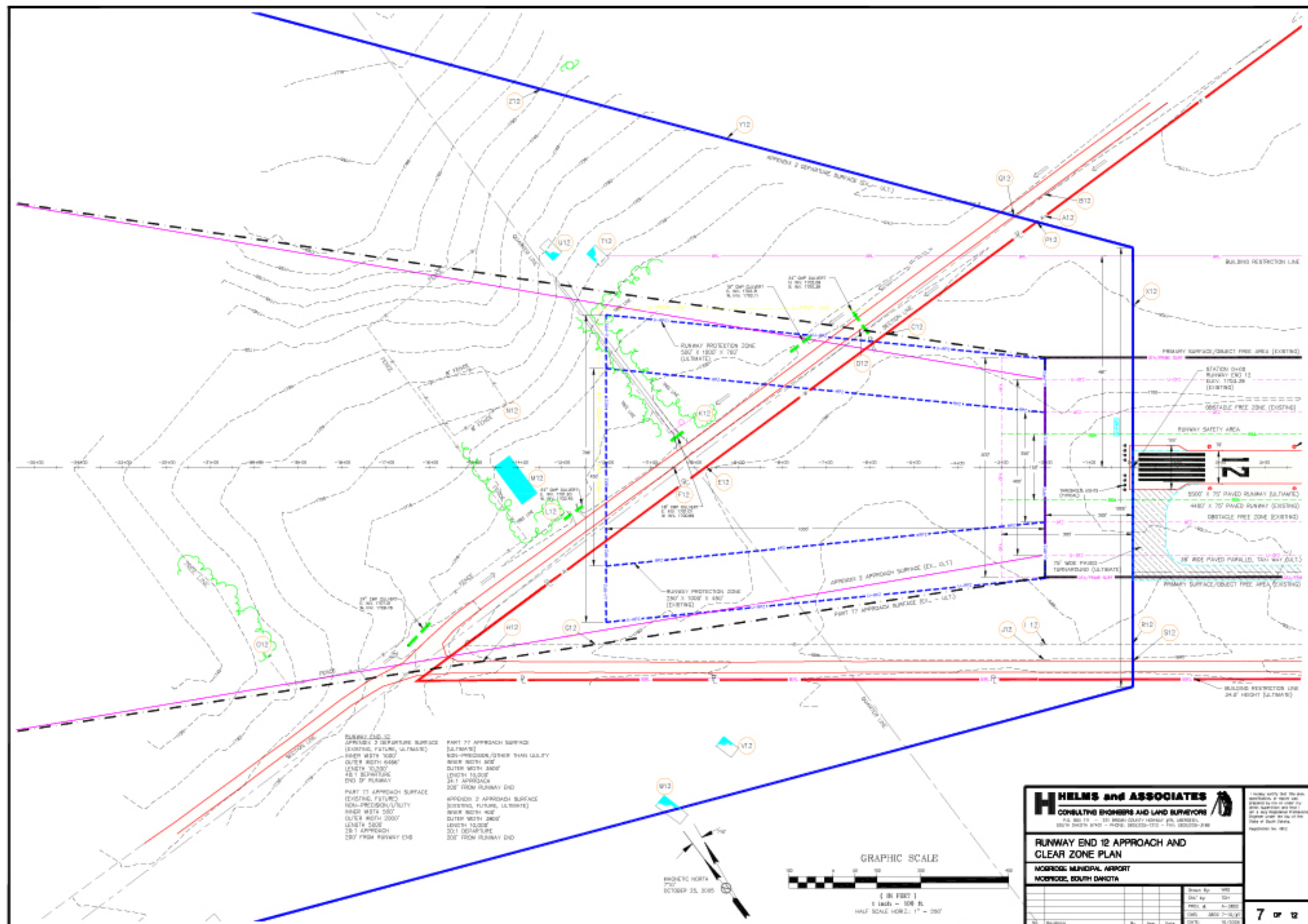
NOTE: ITEMS HIGHLIGHTED SHOW ITEMS THAT PENETRATE EXISTING SURFACES.



HELMES and ASSOCIATES CONSULTING ENGINEERS AND LAND SURVEYORS P.O. BOX 91 - SUITE 333 BENDERS PLAZA - 605 8TH AVENUE NW MOBRIDGE, SOUTH DAKOTA 57450 - PHONE: 605/633-1710 - FAX: 605/633-1876		I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of South Dakota. Registered No. 0007
AIRSPACE PLAN (PART 77) MOBRIDGE MUNICIPAL AIRPORT MOBRIDGE, SOUTH DAKOTA		Drawn By: WBS CHK'ed: TSC DESIGNED: A-0802 DWG: 3400-05 DATE: 01/2008
No. Revisions: By: App: Date:		5 of 12



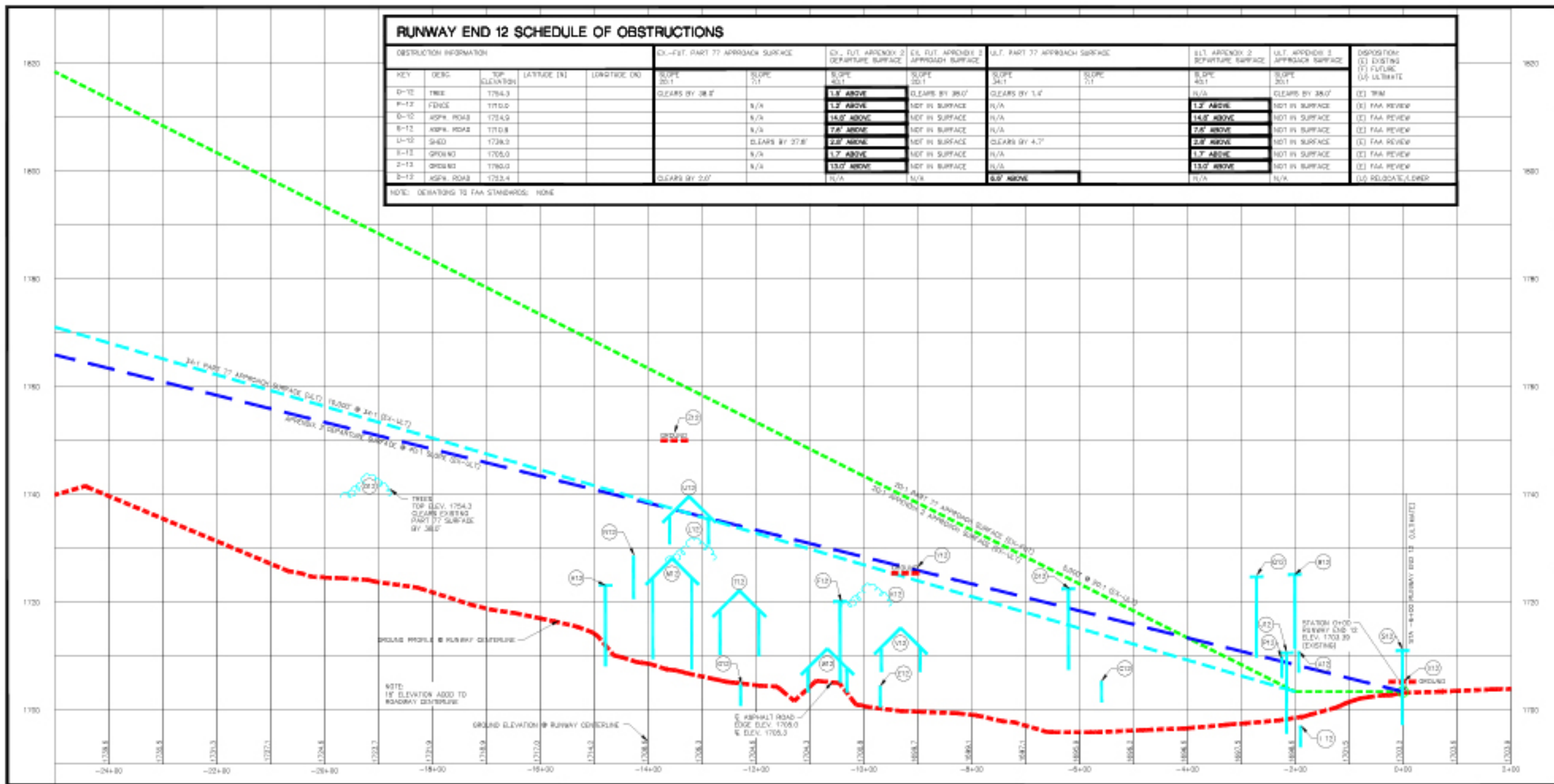
HELMES and ASSOCIATES CONSULTING ENGINEERS AND LAND SURVEYORS P.O. BOX 91 • SUITE 333 BENDONE PLAZA • 820 8TH AVENUE NW MINNEAPOLIS, MINN 55401-0091 • PHONE: 800.525.1710 • FAX: 952.525.1710		I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of South Dakota. Registered No. 3887
AIRSPACE PLAN (PART 77)		Drawn By: WJD Date: 10-1 Scale: 1" = 200' Date: 10/2008
MOBRIDGE MUNICIPAL AIRPORT MOBRIDGE, SOUTH DAKOTA		5A of 12
No. Revisions	By App. Date	



RUNWAY END 12 SCHEDULE OF OBSTRUCTIONS

OBSTRUCTION INFORMATION					CL - EST. PART 77 APPROACH SURFACE		CL - FUT. APPROX. 2 DEPARTURE SURFACE	CL - FUT. APPROX. 2 APPROACH SURFACE	ULT. PART 77 APPROACH SURFACE		SLT. APPROX. 2 DEPARTURE SURFACE	ULT. APPROX. 2 APPROACH SURFACE	DISPOSITION
KEY	DESC.	TOP ELEVATION	LATITUDE (N)	LONGITUDE (W)	SLOPE 20:1	SLOPE 7:1	SLOPE 40:1	SLOPE 20:1	SLOPE 34:1	SLOPE 7:1	SLOPE 40:1	SLOPE 20:1	(X) EXISTING (F) FUTURE (U) ULTIMATE
D-12	TREE	1794.3			CLEAR BY 38.0'		1.5' ABOVE	CLEAR BY 38.0'			N/A	CLEAR BY 38.0'	(X) TBM
F-12	POWER	1779.0				N/A	1.5' ABOVE	NOT IN SURFACE	N/A		1.5' ABOVE	NOT IN SURFACE	(X) FAA REVIEW
E-12	ASPH. ROAD	1754.0				N/A	14.0' ABOVE	NOT IN SURFACE	N/A		14.0' ABOVE	NOT IN SURFACE	(X) FAA REVIEW
E-12	ASPH. ROAD	1770.8				N/A	7.0' ABOVE	NOT IN SURFACE	N/A		7.0' ABOVE	NOT IN SURFACE	(X) FAA REVIEW
U-12	SHED	1738.0			CLEAR BY 37.8'		2.0' ABOVE	NOT IN SURFACE	CLEAR BY 4.7'		2.0' ABOVE	NOT IN SURFACE	(X) FAA REVIEW
E-12	POWER	1705.0				N/A	1.7' ABOVE	NOT IN SURFACE	N/A		1.7' ABOVE	NOT IN SURFACE	(X) FAA REVIEW
E-12	POWER	1780.0				N/A	13.0' ABOVE	NOT IN SURFACE	N/A		13.0' ABOVE	NOT IN SURFACE	(X) FAA REVIEW
E-12	ASPH. ROAD	1753.4			CLEAR BY 0.0'		N/A	N/A			N/A	N/A	(U) RELOCATED, CROWN

NOTE: DEVIATING TO FAA STANDARDS: NONE

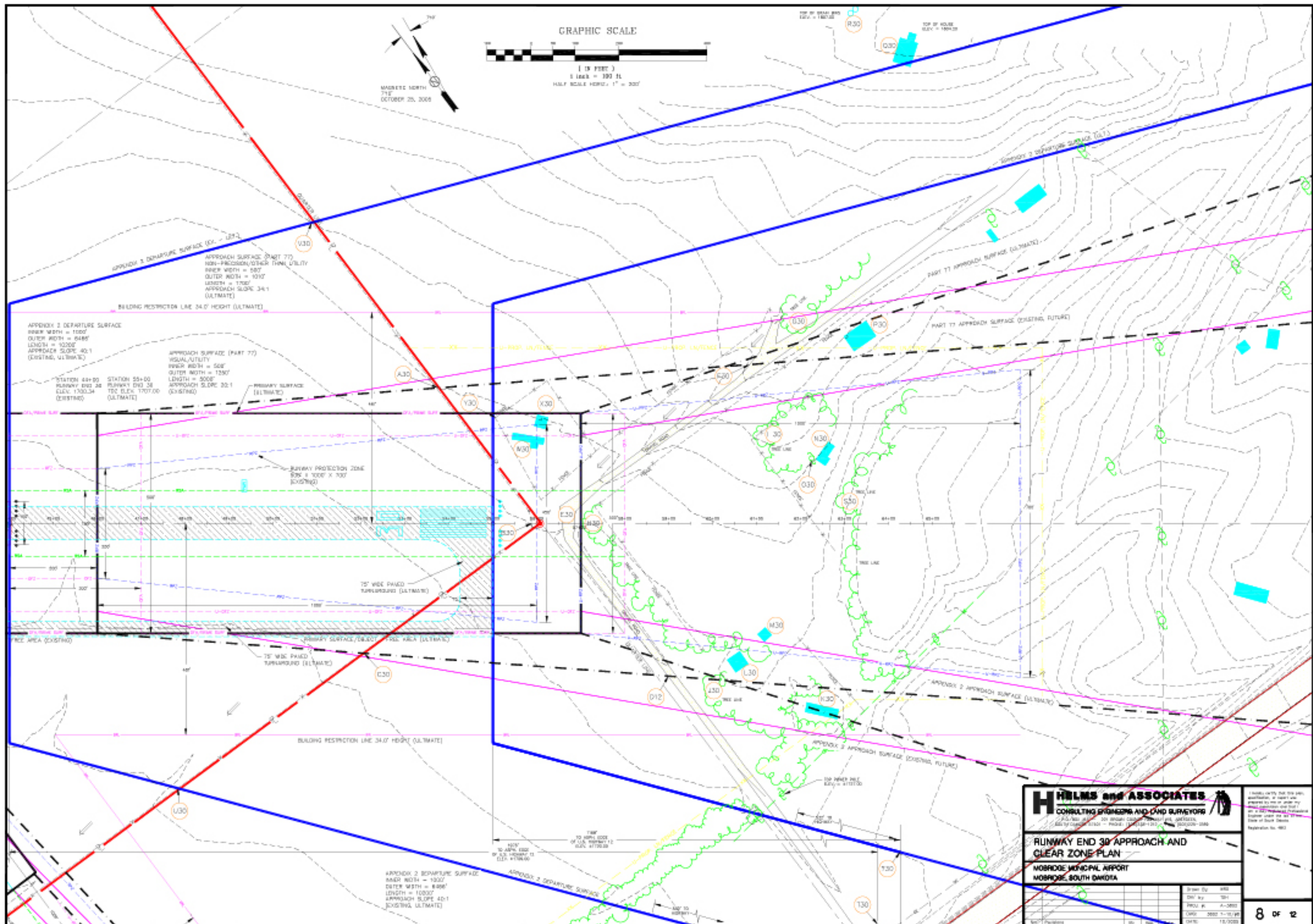


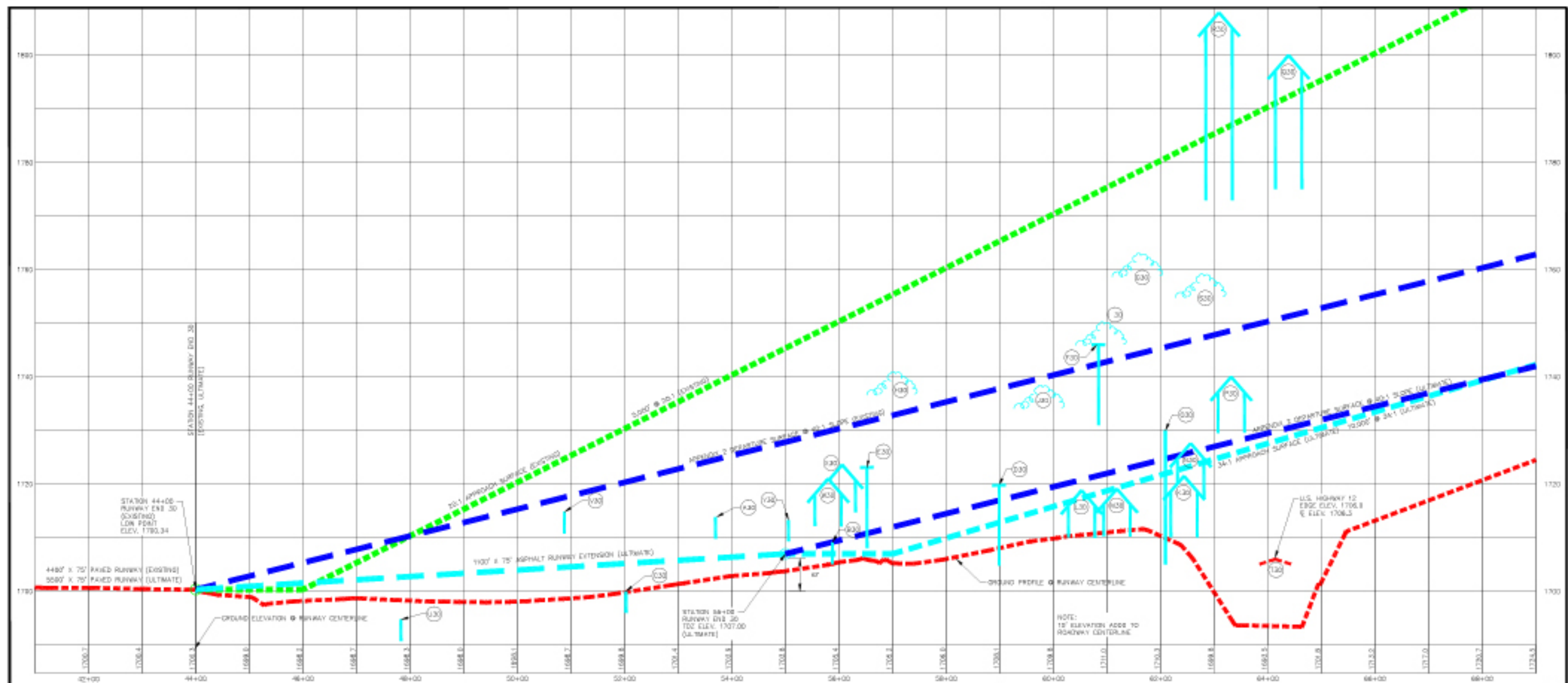
HELM'S and ASSOCIATES
CONSULTING ENGINEERS AND LAND SURVEYORS
P.O. BOX 19 - 331 BROWN COUNTY HIGHWAY 916, WRENDSVILLE, VA 22091
BETH SHAW 870-1111 - PHONE 800-525-1212 - FAX 800-525-2180

RUNWAY END 12 APPROACH AND CLEAR ZONE PROFILE
MORRISVILLE MUNICIPAL AIRPORT
MORRISVILLE, SOUTH DAKOTA

Drawn By: WBS
Date: 10/11/11
Project: 11-0001
Client: MORRISVILLE MUNICIPAL AIRPORT
Scale: 1"=50'-0"

7A of 12





RUNWAY END 30 PART 77 APPROACH, SCHEDULE OF OBSTRUCTIONS

KEY	DESCRIPTION	TOP ELEVATION	PRIMARY SURFACE	30:1	7:1	EXISTING DISPOSITION	PRIMARY SURFACE	30:1	7:1	ULTIMATE DISPOSITION
A-30	POHCE	1713.9	500'	25.0' A		TO REMAIN				TRAMP
B-30	POHCE	1709.1	500'	46.7' A		TO REMAIN				
C-30	POHCE	1709.9	500'	30.0' B		TO REMAIN				
D-30	GRAVEL ROAD	1719.8	500'	45.5' A		TO REMAIN				
E-30	GRAVEL ROAD	1723.1	500'	36.1' B		TO REMAIN				
F-30	GRAVEL ROAD	1746.0	500'	26.5' A		TO REMAIN				
G-30	TREES	1740.7	500'	27.8' B		TO REMAIN				
H-30	TREES	1740.6	500'	15.0' B		TO REMAIN				
I-30	TREES	1750.0	500'	26.0' A		TO REMAIN				
J-30	TREES	1738.4	500'	30.9' B		TO REMAIN				
K-30	BUILDING	1721.9	500'	64.9' A		TO REMAIN				
L-30	BUILDING	1718.8	500'	63.2' B		TO REMAIN				
M-30	BUILDING	1719.1	500'	56.4' B		TO REMAIN				
N-30	BUILDING	1727.5	500'	64.9' B		TO REMAIN				
O-30	POWER POLE	1740.3	500'	41.1' B		TO REMAIN				
P-30	BUILDING	1740.1	500'	55.0' A		TO REMAIN				
Q-30	BUILDING	1804.3	500'	60.7' B		TO REMAIN				
R-30	GRAVEL ROAD	1807.7	500'	68.7' A		TO REMAIN				
S-30	TREES	1736.5	500'	45.5' A		TO REMAIN				
T-30	ASPH. HIGHWAY	1705.0	500'	196.4' B		TO REMAIN				
U-30	BUILDING	1721.9	500'	26.5' A		TO REMAIN				
V-30	BUILDING	1723.6	500'	26.3' A		TO REMAIN				
W-30	POHCE	1713.3	500'	32.3' B		TO REMAIN				

A = ABOVE APPROACH SURFACE
B = BELOW APPROACH SURFACE

RW END 12 APPENDIX 2 DEPARTURE SCHEDULE OF OBSTRUCTIONS

OBJECT	DESCRIPTION	TOP ELEVATION	EXISTING DISPOSITION	ULTIMATE DISPOSITION
Q-30	TREES	1743.7	15.0' A, 18.0' B	
H-30	TREES	1743.8	15.0' A, 18.0' B	
I-30	TREES	1740.0	15.0' A, 18.0' B	
J-30	TREES	1738.4	15.0' B, 18.0' B	
Q-30	BUILDING	1804.3	18.8' A, 1' B	
V-30	POHCE	1718.8	15.0' A, 18.0' B	

A = ABOVE APPROACH SURFACE
B = BELOW APPROACH SURFACE

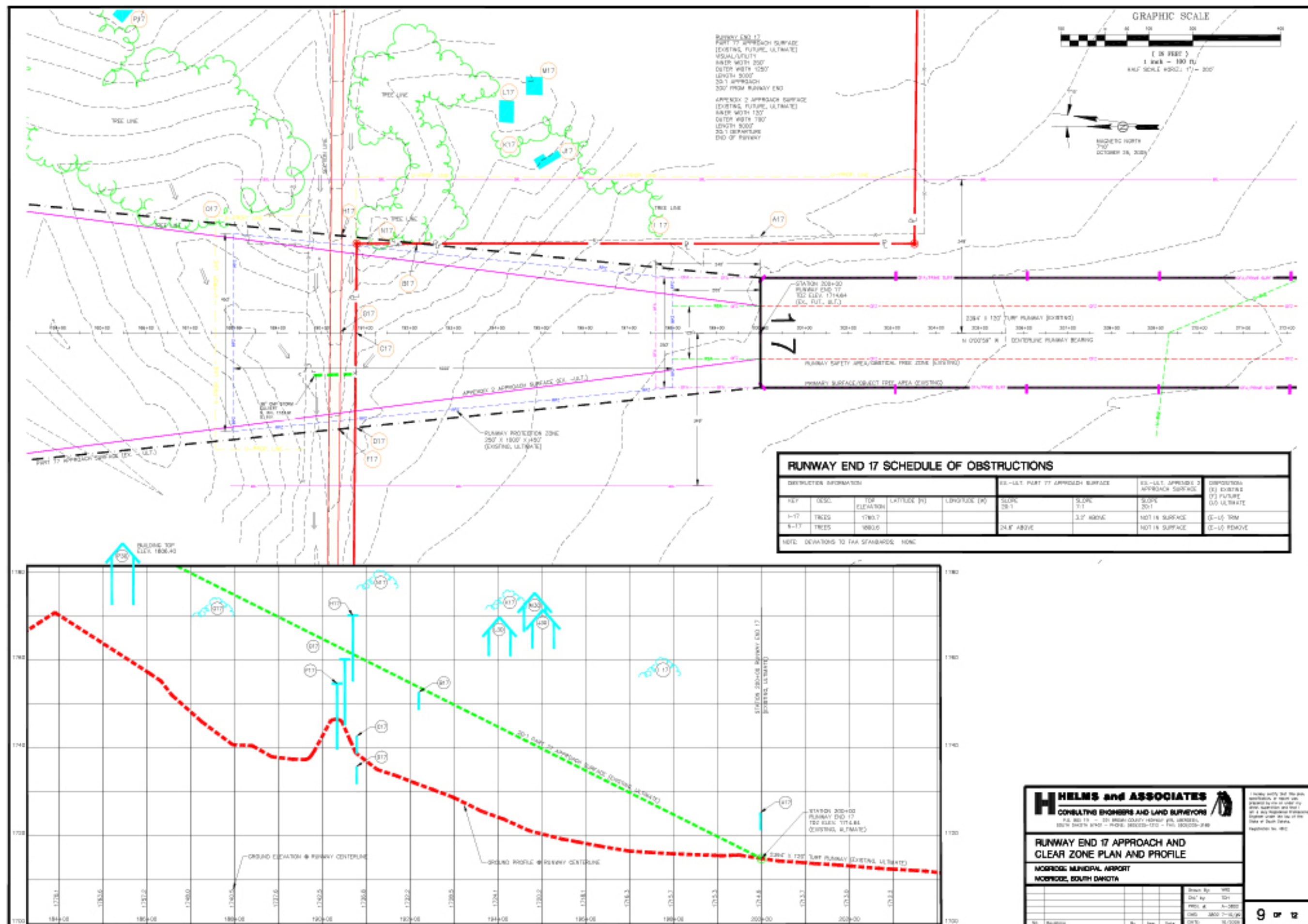
HELMES and ASSOCIATES
CONSULTING ENGINEERS AND LAND SURVEYORS
1001 S. 10TH ST. - SUITE 100 - SIOUX FALLS, SD 57105-1000
(605) 336-1100 • FAX (605) 336-1101

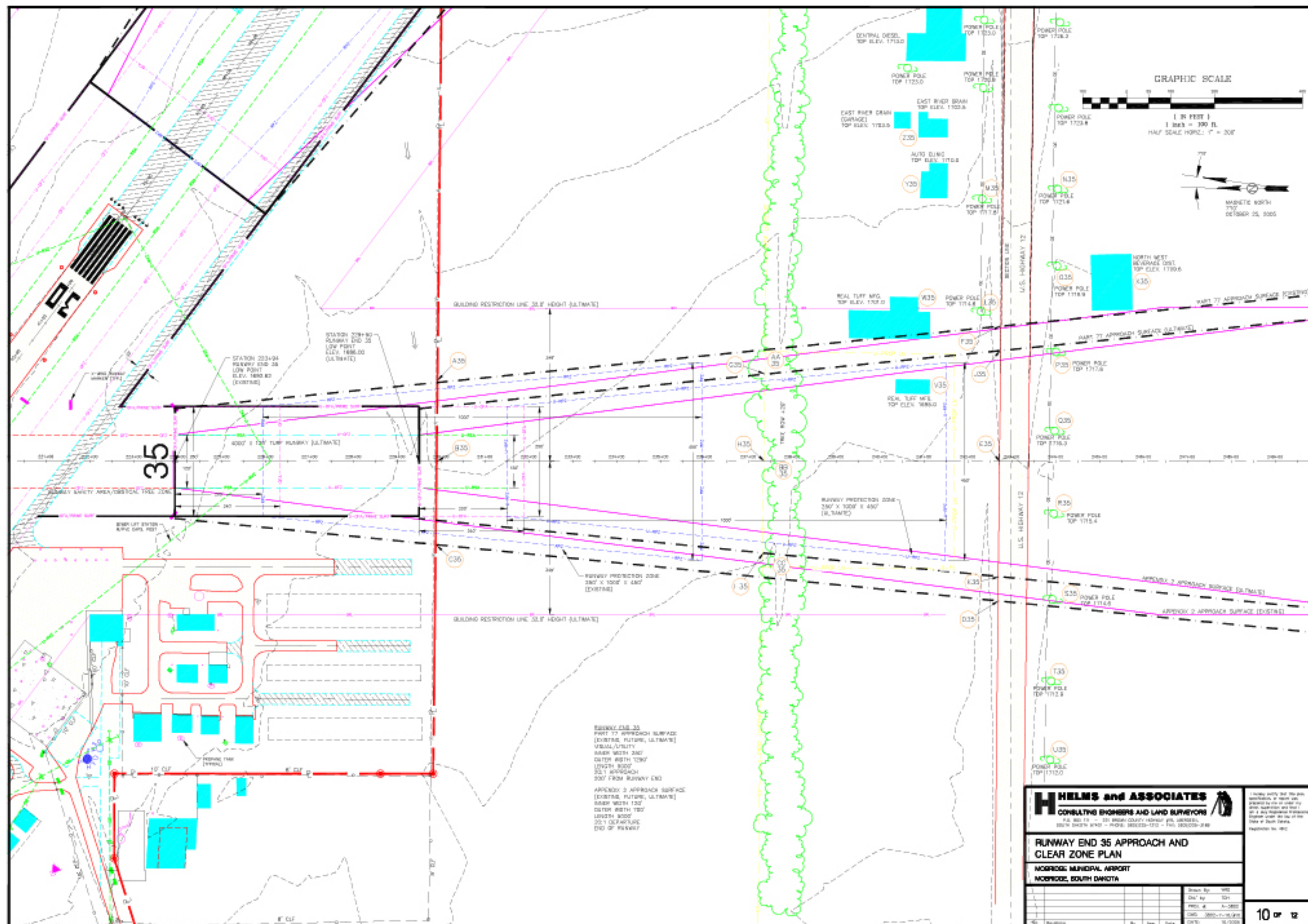
RUNWAY END 30 APPROACH AND CLEAR ZONE PROFILE

MOSBROE MUNICIPAL AIRPORT
MOSBROE, SOUTH DAKOTA

Drawn By	WHS
Check By	WHS
Project #	A-2002
Date	2002-11-10/MSA
Scale	1"=100'

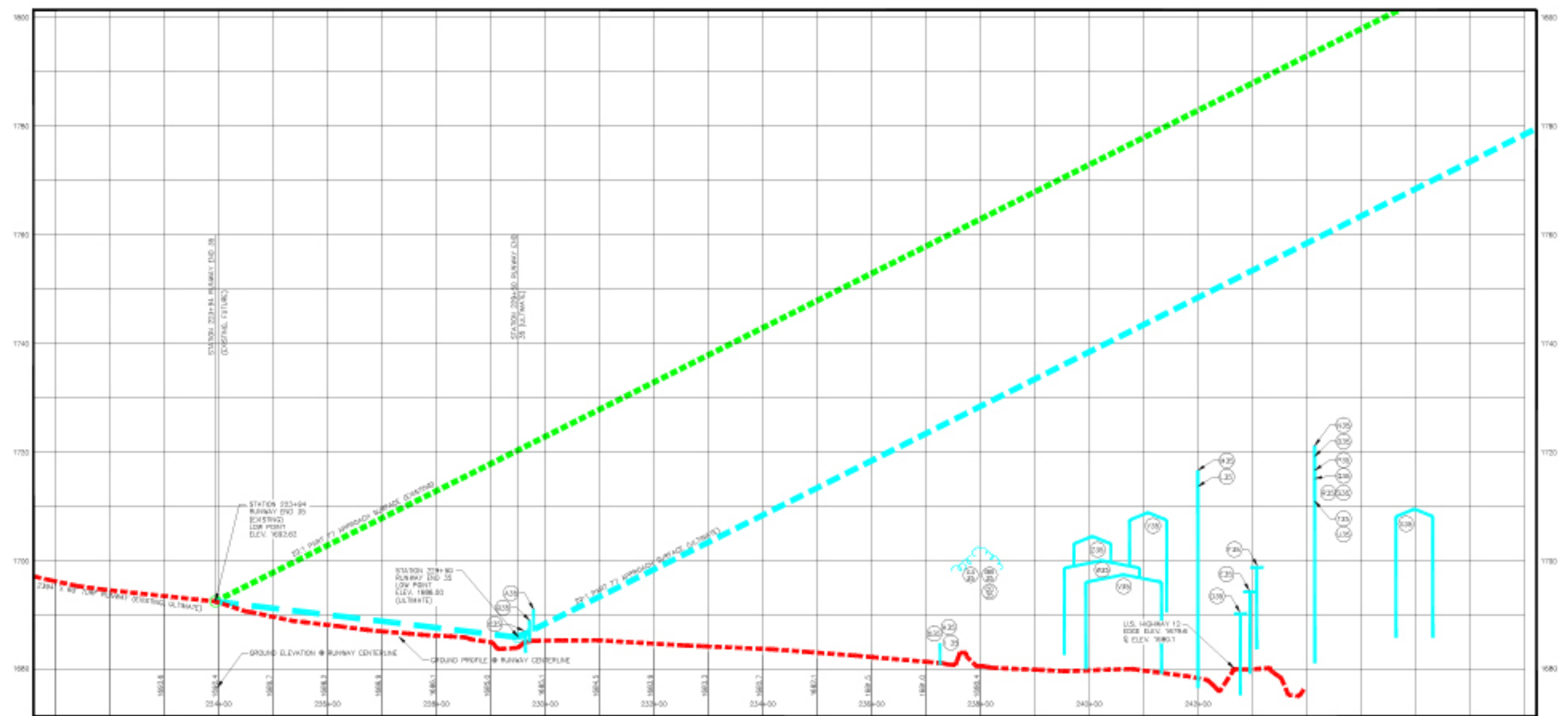
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of South Dakota.
Registration No. 4803





RUNWAY END 35 SCHEDULE OF OBSTRUCTIONS									
OBSTRUCTION INFORMATION					CL-BLT PART 77 APPROACH SURFACE		CL-BLT APPROX. 2 APPROACH SURFACE		DISPOSITION
KEY	DESC	TOP ELEVATION	LATITUDE (N)	LONGITUDE (W)	SLOPE 30:1	SLOPE 5:1	SLOPE 25:1		(1) EXISTING (2) FUTURE (3) ULTIMATE
NONE									

NOTE: DEVIATIONS TO FAA STANDARDS, NONE



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P.O. BOX 15 - 331 BROWN COUNTY HIGHWAY 910, BRONKHORST, SOUTH DAKOTA 57001 - PHONE: 605/533-1212 - FAX: 605/533-2180

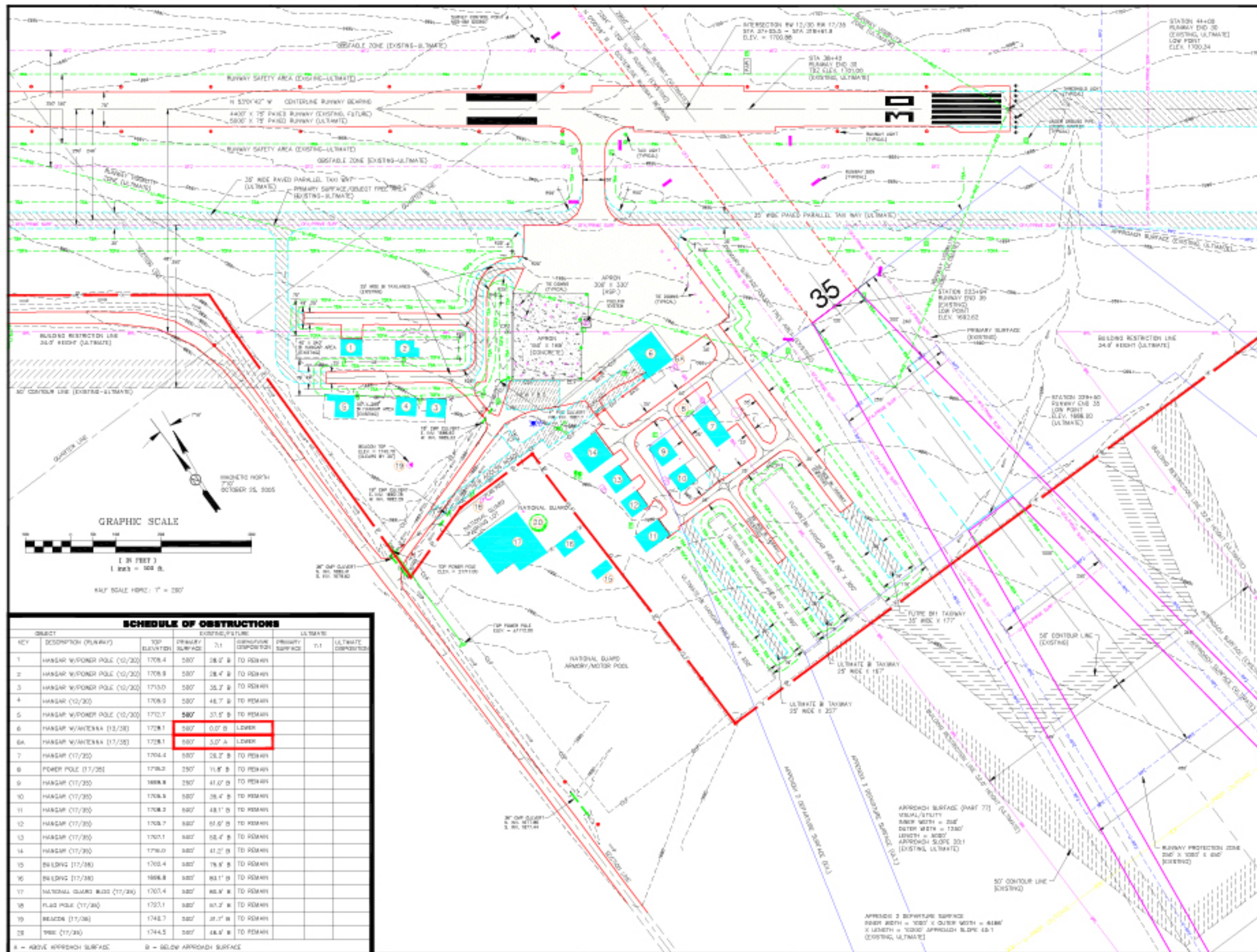
RUNWAY END 35 APPROACH AND CLEAR ZONE PROFILE
MCKENZIE MUNICIPAL AIRPORT
MCKENZIE, SOUTH DAKOTA

NO.	REVISION	BY	DATE
1	ISSUED	HE	10/1/2008

Drawn By: HE
Check By: TDH
Project #: A-2008
Client: MCKENZIE MUNICIPAL AIRPORT
Date: 10/1/2008

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered Professional Engineer under the laws of the State of South Dakota.

Registration No. 4802



APRON LAYOUT PLAN

MOORE MUNICIPAL AIRPORT
MOORE, SOUTH DAKOTA

Drawn By: WMD
Check By: TCH
Proj #: A-382
DWG #: 303-03
DATE: 03/2020

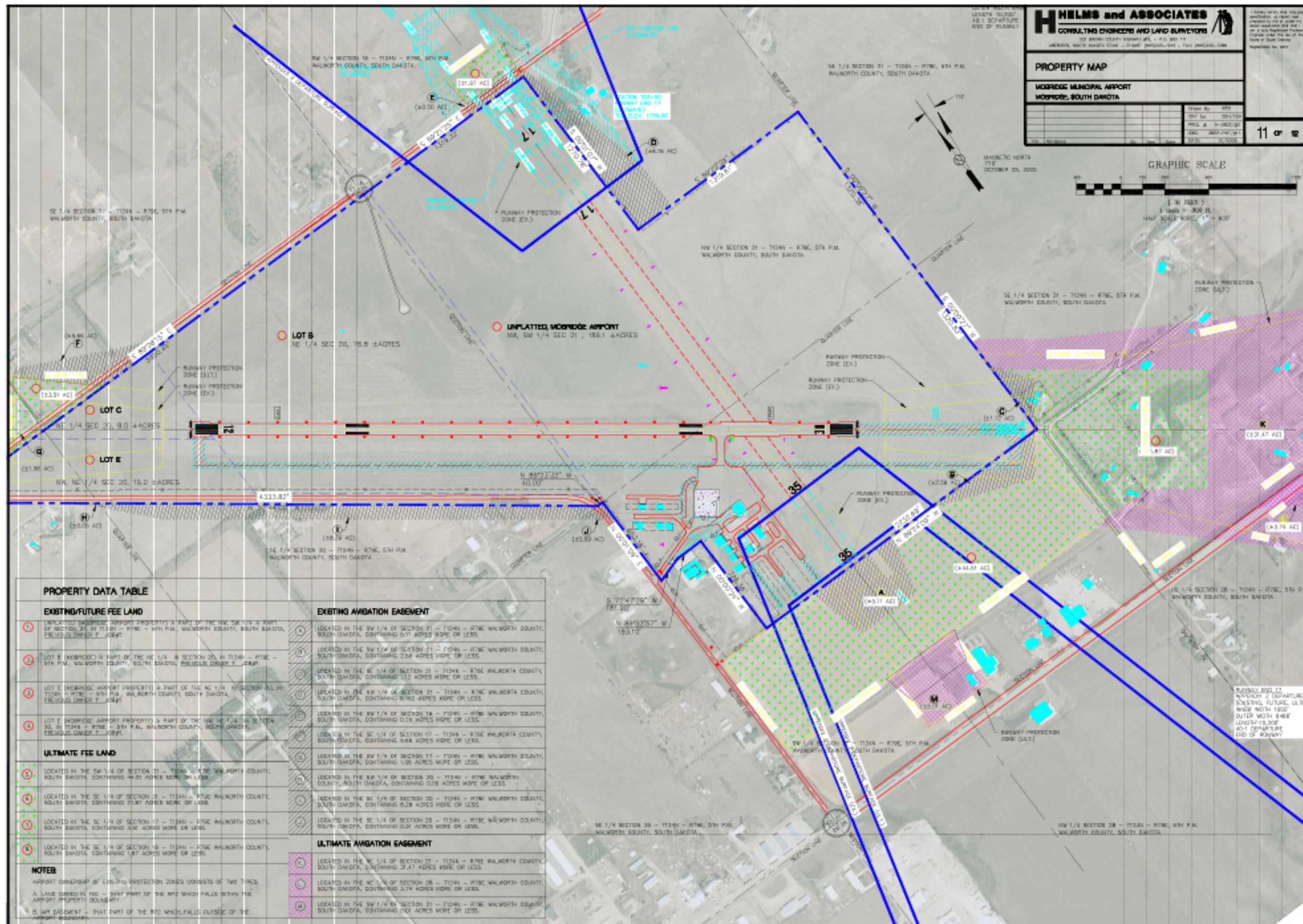
HELMS and ASSOCIATES
CONSULTING ENGINEERING AND LAND SURVEYORS
301 W. 10TH STREET, SUITE 101
SIOUX FALLS, SD 57104
PH: 605.336.1234 FAX: 605.336.1235

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of South Dakota.

Registration No. _____



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the law of the State of South Dakota. Registration No. _____		H HELMS and ASSOCIATES CONSULTING ENGINEERS AND LAND SURVEYORS 321 BRIDGE COUNTY HIGHWAY #101 - P.O. BOX 111 MORBRIDGE, SOUTH DAKOTA 57051 - PHONE: (605) 223-7212 - FAX: (605) 223-0589	
Drawn By: WMO	CHK by: TCH	PROJ. #: A-3002	DATE: 10/20/09
APRON LAYOUT PLAN		MORBRIDGE MUNICIPAL AIRPORT MORBRIDGE, SOUTH DAKOTA	
6A		OF 12	



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PROPERTY MAP
MOENKE MUNICIPAL AIRPORT
MOENKE, SOUTH DAKOTA

Drawn By	Checked By
WHS	WHS
DATE <th>DATE</th>	DATE
10/20/00	10/20/00
SCALE <th>SCALE</th>	SCALE
1" = 400'	1" = 400'

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PROPERTY DATA TABLE	
EXISTING/FUTURE FEE LAND	
1	UNPLATTED MOENKE AIRPORT PROPERTY A PART OF THE NW 1/4 OF SECTION 21, T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
2	LOT B (MOENKE AIRPORT PROPERTY) A PART OF THE NW 1/4 OF SECTION 20, T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 10.8 ACRES MORE OR LESS.
3	LOT C (MOENKE AIRPORT PROPERTY) A PART OF THE NW 1/4 OF SECTION 20, T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 9.0 ACRES MORE OR LESS.
4	LOT E (MOENKE AIRPORT PROPERTY) A PART OF THE NW 1/4 OF SECTION 20, T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 19.0 ACRES MORE OR LESS.
ULTIMATE FEE LAND	
5	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
6	LOCATED IN THE SE 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
7	LOCATED IN THE SE 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
8	LOCATED IN THE SE 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
EXISTING AVIATION EASEMENT	
9	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
10	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
11	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
12	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
13	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
14	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
15	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
16	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
17	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
18	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
19	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
20	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
ULTIMATE AVIATION EASEMENT	
21	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
22	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
23	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.
24	LOCATED IN THE SW 1/4 OF SECTION 21 - T124N - R79E, S74 PM, WALWORTH COUNTY, SOUTH DAKOTA, CONTAINING 188.1 ACRES MORE OR LESS.

NOTES:
AIRPORT OWNERSHIP OF EXISTING PROTECTION ZONES CONSISTS OF TWO TYPES:
A. LAND OWNED BY FEE - THAT PART OF THE AIRPORT WHICH FALLS WITHIN THE AIRPORT PROPERTY BOUNDARY.
B. AIR EASEMENT - THAT PART OF THE AIRPORT WHICH FALLS OUTSIDE OF THE AIRPORT BOUNDARY.

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Registration No. 0007

LAND USE MAP
MOBRIE MUNICIPAL AIRPORT
MOBRIE, SOUTH DAKOTA

Drawn By:	SKS
Check By:	SKS/WH
Proj. #:	A-3802/03
City:	MOBRIE
Date:	10/20/03

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